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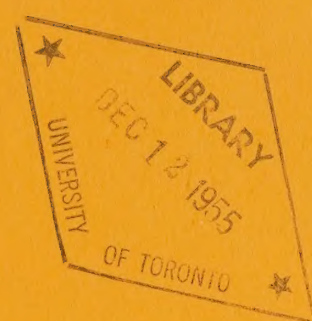
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THE CRUDE PETROLEUM AND
NATURAL GAS INDUSTRY

1949 - 66



THE CRUDE PETROLEUM AND NATURAL GAS
INDUSTRY, 1949

Published by Authority of the Rt. Hon. C.D. Howe
Minister of Trade and Commerce

Prepared in the Mining, Metallurgical and Chemical Section
Industry and Merchandising Division
Dominion Bureau of Statistics, Ottawa

NOTICE

It has been the practice of the Bureau of Statistics, since 1920, to issue an annual printed report on the Mineral Production of Canada. This report was comprised to a large extent of the data which had already been issued in bulletin form as statistics for each industry were completed. The final report was necessarily late in being issued, and its main use was for library purposes and for historical research. It also had the advantage of having complete statistics of the Canadian Mining Industry for a year in one volume.

Such a procedure necessitated the preparation of new manuscript, duplication of proof-reading, and extra costs in type-setting and printing. In order to avoid this extra cost, a system has been devised whereby libraries and other similar organizations may file the separate reports in a ring binder as issued, and if they so desire, may have them bound in a volume when the series for the year is complete.

The reports have been paged in such a manner that when bound they will correspond to the chapters of the annual printed report hitherto issued, but which will now be discontinued.

The following reports will constitute the complete volume on Mineral Statistics of Canada:

- A General Review of the Mining Industry
- B The Gold Mining Industry
- C The Silver-Lead-Zinc Mining Industry
- D The Nickel-Copper Mining, Smelting and Refining Industry
- E The Miscellaneous Metal Mining Industry
- F The Non-ferrous Smelting and Refining Industry
- G The Coal Mining Industry
- H The Natural Gas and Crude Petroleum Industry
- I The Asbestos Mining Industry
- J The Feldspar and Quartz Mining Industry
- K The Gypsum Industry
- L The Peat Industry
- M The Salt Industry
- N The Talc and Soapstone Industry
- O The Miscellaneous Industrial or Non-metallic Minerals Mining Industry
- P The Cement Manufacturing Industry
- Q The Clay and Clay Products Industry
- R The Lime Industry
- S The Sand and Gravel Industry
- T The Stone Industry
- U Contract Diamond Drilling in the Mining Industry
- V Appendix — Explanatory notes on the method of computing the quantities and values of the Mineral Production of Canada

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1949

(a) The Crude Petroleum Industry

During 1949 the Canadian producers of crude petroleum and natural gasoline delivered 21,305,348 barrels valued at \$61,118,490 compared with 12,286,660 barrels worth \$37,418,895 in 1948, an increase of approximately 73 per cent in quantity and 63 per cent in total value.

Alberta accounted for over 94 per cent of the total well output in Canada. During its third year of production the Leduc field recorded an output of 9,688,784 barrels. The Redwater field, which started in 1948, produced 4,793,491 barrels. The refining capacity and transportation facilities had a limiting effect on the output. The completion of the pipeline from Edmonton, Alberta to the lakehead at Superior,

Wisconsin, U.S.A., expected late in 1950, will permit an increased flow from Alberta's wells.

Saskatchewan's production of crude oil totalled 782,188 barrels in 1949 compared with 849,166 barrels in 1948. In Ontario, there was an increase of 47 per cent to 260,670 barrels. Wells in New Brunswick and Northwest Territories did not produce quite as much crude in 1949 as in the preceding year.

The 273 firms in this industry, operating 3,166 producing wells, reported employment at 2,142 persons who received \$6,304,601 in salaries and wages. Fuel cost \$505,459 and 4,284,351 k.w.h. of electricity was purchased for \$94,103. Process supplies were valued at \$386,145

TABLE 1. Principal Statistics for the Crude Petroleum Industry, 1940-1949

Year	Number of operating wells	Number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of sales
			\$	\$	\$	\$
1940.....	2,360	1,741	2,835,410	934,834	533,161	11,486,078
1941.....	2,312	1,844	3,254,817	609,616	194,182	15,011,324
1942.....	2,253	1,972	3,648,965	971,504	235,959	16,876,123
1943.....	2,197	2,399	5,212,895	709,879	202,479	16,906,780
1944.....	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358
1945.....	2,222	1,968	3,898,662	748,351	117,708	14,121,921
1946.....	2,314	1,563	3,260,571	914,551	109,555	14,725,139
1947.....	2,296	1,296	3,055,108	759,635	116,957	19,543,301
1948.....	2,581	1,641	4,391,929	1,939,856	112,952	37,388,975
1949.....	3,166	2,142	6,304,601	599,562	386,145	61,091,128

Note. Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics for the Crude Petroleum Industry, by Provinces, 1949¹

	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
Number of firms.....	103	30	139	1	273
Number of active wells ²	1,518	146	1,412	64	3,166 ^{3,4}
Number of employees:					
On salary.....	17	13	200	—	230
On wages.....	122	60	1,709	21	1,912
Total.....	139	73	1,909	21	2,142
Salaries and wages:					
Salaries..... \$	47,739	45,769	717,993	—	811,501
Wages..... \$	162,525	149,653	5,122,922	58,000	5,493,100
Total..... \$	210,264	195,422	5,840,915	58,000	6,304,601
Gross selling value of products \$	901,143	836,941	58,999,936	353,108	61,091,128
Cost of fuel and electricity..... \$	41,675	19,999	531,365	6,523	599,562
Cost of process supplies used \$	51,434	97	334,614	—	386,145

1. Data for New Brunswick are included in the Natural Gas Industry.
2. Includes wells still drilling and dry wells completed in year specified.
3. Includes 26 in New Brunswick.
4. Includes 111 gas wells.

TABLE 3. Production and Producers' Sales of Crude Petroleum, by Provinces, 1948 and 1949

Province	1948			1949		
	Production	Sales	Value of sales	Production	Sales	Value of sales
	(barrels)		\$	(barrels)		\$
New Brunswick.....	21,372	21,372	29,920	19,544	19,544	27,362
Ontario.....	176,989	176,989	608,109	260,670	260,670	901,143
Saskatchewan.....	849,166	849,166	976,541	782,188	782,188	836,941
Alberta.....	10,973,583	10,888,592	35,127,751	20,246,392	20,087,418	58,999,936
Northwest Territories.....	349,763	350,541	676,574	155,528	155,528	353,108
Canada.....	12,370,873	12,286,660	37,418,895	21,464,322	21,305,348	61,118,490

1. Includes natural gasoline.

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1947-1949

Field	1947	1948	1949
	(barrels)		
Turner Valley.....	5,022,350	4,432,084	3,826,543
Leduc.....	372,427	4,657,371	9,688,784
Redwater.....	—	36,875	4,793,491
Conrad.....	202,929	179,627	139,728
Taber.....	205,236	201,527	150,746
Princess.....	106,920	186,393	121,227
Wainwright.....	18,325	17,131	16,086
Vermilion.....	138,401	112,331	86,933
Lloydminster.....	304,236	648,055	716,941
Dina.....	4,159	4,200	14,062
Brooks.....	30	16,519	13,979
Stettler.....	—	—	15,725
Golden Spike.....	—	—	85,081
Joseph Lake.....	—	—	35,858
Whitemud.....	—	—	26,506
Other.....	7,046	12,815	37,256
Total Crude.....	6,382,059	10,504,928	19,768,946
Natural gasoline.....	427,225	468,655	477,446
Total.....	6,809,284	10,973,583	20,246,392

TABLE 5. Production of Crude Petroleum in Ontario, by Fields, 1947-1949

Field	1947	1948	1949
	(barrels)		
Petrolia and Enniskillen.....	41,028	40,603	42,632
Oil Springs.....	25,683	26,165	25,692
Moore township.....	132	544	301
Sarnia township.....	80	124	141
Plympton township.....	—	8	—
Bothwell township and Thamesville.....	16,025	15,238	17,940
Dover, Romney, Raleigh and Tilbury.....	4,545	4,439	3,762
Onondaga.....	80	69	67
Mosa township.....	19,165	18,341	18,580
Dunwich.....	1,740	1,821	1,929
Dawn and Euphemia.....	163	7,312	999
Warwick, Metcalfe and Adelaide townships.....	2,390	2,479	2,010
Sombra township.....	20,264	59,846	146,617
Total.....	131,295	176,989	260,670

TABLE 6. Producers' Sales of Crude Petroleum, 1930-1949

Year	Barrels	\$	Year	Barrels	\$
1930.....	1,522,220	5,033,820	1940.....	8,590,978	11,160,213
1931.....	1,542,573	4,211,674	1941.....	10,133,838	14,415,096
1932.....	1,044,412	3,022,592	1942.....	10,364,796	15,968,851
1933.....	1,145,333	3,138,791	1943.....	10,052,302	16,470,417
1934.....	1,410,895	3,449,162	1944.....	10,099,404	15,429,900
1935.....	1,446,620	3,492,188	1945.....	8,482,796	13,632,248
1936.....	1,500,374	3,421,767	1946.....	7,585,555	14,989,052
1937.....	2,943,750	5,399,353	1947.....	7,692,492	19,575,682
1938.....	6,966,084	9,230,173	1948.....	12,286,660	37,418,895
1939.....	7,826,301	9,846,352	1949.....	21,305,348	61,118,490

TABLE 7. Producers' Sales of Crude Petroleum, by Provinces, 1940-1949

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	(Barrels of 35 Imperial gallons)					
1940.....	22,167	187,644	331	8,362,203	18,633	8,590,978
1941.....	31,359	160,238	—	9,918,577	23,664	10,133,838
1942.....	28,089	143,845	—	10,117,073	75,789	10,364,796
1943.....	24,530	132,492	—	9,601,530	293,750	10,052,302
1944.....	23,296	125,067	—	8,727,366	1,223,675	10,099,404
1945.....	30,140	113,325	14,374	7,979,786	345,171	8,482,796
1946.....	28,584	123,082	118,686	7,137,921	177,282	7,585,555
1947.....	23,129	131,295	540,117	6,770,477	227,474	7,692,492
1948.....	21,372	176,989	849,166	10,888,592	350,541	12,286,660
1949.....	19,544	260,670	782,188	20,087,418	155,528	21,305,348

TABLE 8. Production of Crude Petroleum, by Months, 1949

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	(Barrels of 35 Imperial gallons)					
January.....	1,699	16,833	51,732	1,279,911	5,344	1,355,519
February.....	1,582	17,526	51,942	1,352,129	17,002	1,440,181
March.....	1,654	19,525	59,291	1,651,012	14,580	1,746,062
April.....	1,671	18,731	74,891	1,714,049	30,851	1,840,193
May.....	1,616	20,458	90,812	1,581,619	20,028	1,714,533
June.....	1,585	20,768	81,945	1,591,260	5,246	1,700,804
July.....	1,689	22,916	54,913	1,689,924	5,642	1,775,084
August.....	1,805	24,736	57,553	1,870,528	14,993	1,969,615
September.....	1,697	22,986	73,326	2,051,250	18,073	2,167,332
October.....	1,533	25,830	68,442	1,950,665	11,949	2,058,419
November.....	1,461	25,284	60,906	1,821,251	5,678	1,914,580
December.....	1,552	25,077	56,435	1,692,794	6,142	1,782,000
Total.....	19,544	260,670	782,188	20,246,392	155,528	21,464,322

TABLE 9. Petroleum Wells, by Provinces, 1947-1949

	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
Productive wells at beginning of year:						
1947.....	27	1,610	18	517	58	2,230
1948.....	27	1,559	81	519	58	2,244
1949.....	26	1,489	101	774	66	2,456
Number of productive wells drilled:						
1947.....	—	22	54	76	—	152
1948.....	—	26	23	273	8	327
1949.....	—	18	45	487	—	550
Number of wells abandoned:						
1947.....	—	84	—	64	—	148
1948.....	1	96	3	18	—	118
1949.....	—	49	8	18	2	77
Number of dry wells drilled:						
1947.....	—	33	1	24	—	58
1948.....	—	36	11	68	—	115
1949.....	—	25	7	100	—	132
Number of productive wells in operation at end of year:						
1947.....	27	1,559	77	519	58	2,240
1948.....	26	1,489	101	774	66	2,456
1949.....	26	1,518	138	1,243	64	2,989

TABLE 10. Employees and Their Earnings in the Natural Gas Industry, 1948 and 1949

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1948						\$	\$	\$
New Brunswick.....	—	—	88	2	90	—	177,426	177,426
Ontario.....	73	70	858	3	1,004	141,198	1,169,009	1,310,207
Saskatchewan.....	1	1	3	1	6	300	7,742	8,042
Alberta.....	81	41	599	10	731	275,763	1,147,503	1,423,266
Canada.....	155	112	1,548	16	1,831	417,261	2,501,680	2,918,941
1949								
New Brunswick.....	—	—	87	2	89	—	183,785	183,785
Ontario.....	199	151	958	3	1,311	764,768	2,089,483	2,854,251
Saskatchewan.....	1	—	13	—	14	500	14,856	15,356
Alberta.....	107	40	650	12	809	335,612	1,324,262	1,659,874
Canada.....	307	191	1,708	17	2,223	1,100,880	3,612,386	4,713,266

TABLE 11. Workmen, by Months, in the Crude Petroleum Industry, 1948 and 1949 (Number on pay-roll on the last work day of each month)

Month	1948			1949		
	Male	Female	Total	Male	Female	Total
January.....	1,247	5	1,252	1,734	4	1,738
February.....	1,287	5	1,292	1,753	3	1,756
March.....	1,366	5	1,371	1,840	4	1,844
April.....	1,357	5	1,362	1,833	4	1,837
May.....	1,399	5	1,404	1,939	7	1,946
June.....	1,558	4	1,562	2,030	5	2,035
July.....	1,648	5	1,653	2,025	5	2,030
August.....	1,664	6	1,670	2,019	4	2,023
September.....	1,636	6	1,642	1,978	4	1,982
October.....	1,643	9	1,652	1,863	5	1,868
November.....	1,630	8	1,638	1,942	4	1,946
December.....	1,679	5	1,684	1,901	4	1,905
Average.....	1,526	7	1,641	1,907	5	1,912

TABLE 12. Imports of Petroleum, Asphalt and Their Products, 1948 and 1949

Item	1948		1949	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not..... cwt.	211,520	595,376	441,949	871,093
Oil, imported by miners or mining companies, for the concentration of ores or metals..... gal.	126,890	92,030	150,423	108,795
Crude petroleum for refining .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	2,643,758	191,803,368	2,587,709	189,363,805
Crude petroleum n.o.p. gal.	814,339	46,256	430,500	32,476
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah. when imported by oil refiners to be refined..... gal.	72,607,104	5,021,638	60,695,952	3,641,419
Fuel oil, ex-warehoused, for ships' stores.... gal.	12,504,179	756,688	13,327,449	669,887
Aviation gasoline..... gal.	1	—	43,301,850	8,963,945
Coal oil and kerosene lighter than .8236 spe- cific gravity at 60° Fah., n.o.p. gal.	76,868,321	8,791,014	36,618,392	3,687,650
Engine distillate, .8017 specific gravity or heavier at 60° Fah. gal.	1,064,885	150,136	1,236,878	166,887
Gasoline, lighter than .8236 specific gravity at 60° Fah. gal.	274,983,729	40,514,758	215,340,198	31,209,682
Natural casinghead, compression or absorp- tion gasoline lighter than .6690 specific gravity (80.0 A.P.I.) at 60° Fah. when im- ported by refiners of crude petroleum for blending with gasoline wholly produced in Canada..... gal.	47,623,626	5,946,914	49,363,120	5,082,866

1. Included in gasoline, lighter than .8236 specific gravity.

TABLE 12. Imports of Petroleum, Asphalt and Their Products, 1948 and 1949 - Con.

Item	1948		1949	
	Quantity	Value	Quantity	Value
		\$		\$
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon..... gal.	6,935,374	1,187,075	9,538,199	1,725,916
Lubricating oils, 25 cents and over..... gal.	9,240,999	4,444,874	6,925,888	2,943,839
Oils, mineral, n.o.p. gal.	1,516,410	1,493,552	837,318	984,378
Stove oil, No.1 fuel oil..... gal.	1	—	49,473,310	5,015,267
Light fuel oils Nos. 2 and 3..... gal.	1	—	38,912,347	3,456,260
Heavy fuel oils Nos. 4, 5 and 6..... gal.	1	—	98,093,110	5,123,750
Diesel fuel gal.	1	—	38,465,627	3,863,056
Tractor fuel gal.	1	—	38,626	5,515
Products of petroleum n.o.p., .8236 specific gravity (40.3 A.P.I.) or heavier at 60°Fah. ... gal.	335,447,326	32,309,045	—	—
Petroleum greases and lubricating greases, n.o.p. lb.	10,157,242	892,459	10,996,214	972,014
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes..... —	—	555,720	—	590,822
Paraffin wax lb.	43,580,756	3,464,046	24,282,584	1,614,209
Paraffin wax candles lb.	11,786	2,749	236,047	67,077
Products of petroleum n.o.p..... gal.	9,210,764	1,268,296	4,043,863	1,325,334
Liquefied petroleum gases lb.	—	2,269,714	142,506,357	2,360,680
Naphtha, including solvent naphtha..... gal.	2	—	3,924,515	816,982

1. Included in products of petroleum, .8236 specific gravity or heavier

2. Included in products of petroleum n.o.p.

TABLE 13. Exports of Petroleum and Its Products, 1948 and 1949

Item	1948		1949	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude gal.	23,948	2,684	—	—
Oil, coal and kerosene, refined..... gal.	336,073	61,203	167,938	24,807
Gasoline and naphtha gal.	8,772,438	1,236,288	2,019,342	291,361
Fuel oil..... gal.	63,590,878	4,841,459	25,265,609	1,855,198
Lubricating oil..... gal.	917,004	348,721	124,041	108,913
Oil, mineral, n.o.p. gal.	751,888	128,045	418,226	34,953
Wax, mineral..... cwt.	326,779	2,685,514	51,034	273,023

Crude Petroleum Producers, 1949

Name	Address	Location of Field
New Brunswick:		
New Brunswick Oilfields Ltd.....	Moncton.....	Stoney Creek
Ontario¹:		
Austin, Gordon	Bothwell.....	Orford
Baines Bros.....	Petrolia.....	Petrolia and Enniskillen
Barnes, A. G.....	Petrolia.....	Petrolia and Enniskillen
Byers, Irving.....	Oil Springs.....	Petrolia and Enniskillen
Byers Bros.	Oil Springs.....	Petrolia and Enniskillen
Canadian Oil Companies Limited.....	204 Richmond St. W., Toronto 1	Petrolia and Enniskillen
Chandler, H. & C.	16712 Vaughan Ave., Detroit 19, Mich., U.S.A.	Petrolia and Enniskillen
Cole, W. J.	Petrolia	Petrolia and Enniskillen
Comfort, Alex.....	102 Inshes Ave., Chatham	Dover
Corey, H.	Petrolia	Petrolia and Enniskillen
Demaray & Nichols ²	Oil Springs.....	
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London.....	Mosa
Donald, G.....	Oil Springs.....	Petrolia and Enniskillen
Earl, Sydney ²	Kerrwood	
Edward, F. H.	Petrolia.....	Petrolia and Enniskillen
Fairbank, J. H. Estate	Petrolia.....	Petrolia and Enniskillen
Heal, A. A.	Watford.....	Warwick and Adelaide
High Grade Natural Gas Co. Ltd.	215 King St. W., Chatham	Dover
Holmes, E. B.	Bothwell.....	Zone
Howlett, Fred W. & Sons Ltd.	Petrolia.....	Petrolia and Enniskillen
Hutton, D. J. ²	Thamesville	
Imperial Oil Ltd.	56 Church St., Toronto.....	Sombra, Euphemia, Mosa and Moore
Irving, Robert.....	Petrolia.....	Petrolia and Enniskillen
Irwin, Foster.....	Petrolia.....	Petrolia and Enniskillen
Johnson, E.	Petrolia.....	Petrolia and Enniskillen
Kells, E. E.....	Petrolia.....	Petrolia and Enniskillen
Kelly, J. E. Estate.....	Petrolia.....	Petrolia and Enniskillen
Kerr, J. J. Co. Ltd.	Petrolia.....	Petrolia and Enniskillen
Kodyen, E. A.	Bothwell.....	Zone
Lennan, Lloyd A.....	Petrolia.....	Petrolia and Enniskillen
Lewis & Byers	Oil Springs.....	Petrolia and Enniskillen
Lewis & Lewis.....	Oil Springs.....	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs.....	Petrolia and Enniskillen
Marcus, A.	Bothwell.....	Zone
Marcus, L.....	Wallacetown	Dunwick
McCutcheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McRoberts & Marsh.....	Bothwell.....	Zone
Mitchell, C.	Oil Springs.....	Petrolia and Enniskillen
Mitchell, R.	Oil Springs.....	Petrolia and Enniskillen
Morningstar, G.....	Oil Springs.....	Petrolia and Enniskillen
Morningstar, H. M.....	Oil Springs.....	Petrolia and Enniskillen
Ontario Lands and Oil Co.	Petrolia.....	Petrolia and Enniskillen
Pope, H. O.	Bothwell.....	Zone

1. Producer of 300 barrels or more during the year.

2. Driller only.

Crude Petroleum Producers, 1949 — Con.

Name	Address	Location of Field
Ontario — Con:		
Pope, Wm.	Bothwell.....	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1.....	Dover East and Raleigh
Rowe, E. P. Estate	350 Bay St., Toronto 1.....	Dover East
Saroline Oil Co.....	Petrolia.....	Petrolia and Enniskillen
Shain, Viola.....	Petrolia.....	Petrolia and Enniskillen
Slack, C. M.	Petrolia.....	Petrolia and Enniskillen
Stanley & McCrie	Bothwell.....	Camden Gore
Sutherland, B. M.	Petrolia.....	Petrolia and Enniskillen
Thompson, A.....	Petrolia.....	Petrolia and Enniskillen
Union Gas Co. Ltd.	Glencoe.....	Zone
Warwick, Joseph	Oil Springs.....	Petrolia and Enniskillen
Warwick, Preston	Bothwell.....	Orford
Williamson, M. J.	Petrolia.....	Petrolia and Enniskillen
Wilson-Sullivan Development Co. ¹	112 S. Christina St., Sarnia.....	Warwick
Winnett, J. W. G.	418½ Talbot St., London	Zone and Orford
Woodward, Wm.	Oil Springs.....	Petrolia and Enniskillen
Yerks, Frank.....	Petrolia.....	Petrolia and Enniskillen
Saskatchewan:		
Alpen & Associates.....	789 W. Pender St., Vancouver, B.C.	Lone Rock
Bata Petroleum Limited	310 Broder Bldg., Regina	Unity
Cardinal Petroleum Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Command Oils Limited	122—8th Ave. W., Calgary, Alta.	Lone Rock
Community Petroleum Ltd.	402 Nothern Crown Bldg., Regina.....	Lloydminster
Croft Syndicate.....	Lloydminster	Lloydminster
Dome Oils Ltd.....	2636 McCallum Ave., Regina.....	Lloydminster
Donna Well No. 1	234—1st Ave. S., Saskatoon	Lloydminster
Fair, Henry	Lloydminster	Lloydminster
Franco Castle Syndicate.....	678 Howe St., Vancouver, B.C.....	Lloydminster
Franco Oils Limited	Vermilion.....	Lone Rock
Highwood-Sarcee Oils Limited	614 Lancaster Bldg., Calgary, Alta.	Lloydminster
Humboldt Petroleum Syndicate	Humboldt	Lloydminster
Husky Oil & Refining Ltd.	531—8th Avenue W., Calgary, Alta.....	Lloydminster
Ibstone Petroleum Limited.....	North Battleford	Lloydminster
Karels & Rennie	Swift Current	Lloydminster
Kelly & Burnett.....	1155 Downing St., Winnipeg, Man.	Lloydminster
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Malone, J. C.	712 McCallum Hill Bldg., Regina	Lloydminster
Mitton Oils	10520—127th St., Edmonton, Alta.	Lloydminster
Northeast Syndicate.....	509—8th Ave. W., Calgary, Alta.	Lloydminster
Rogers Alberta Syndicate.....	North Battleford	Lloydminster
Rogers Bailey Syndicate.....	North Battleford	Lloydminster
S. A. C. Oils Ltd.	569 Howe St., Vancouver, B.C.....	Lloydminster
Saskatoon Petroleum Limited	Medical Co-op Bldg., Saskatoon.....	Lloydminster
Vanlloyd Oils Limited.....	569 Howe St., Vancouver, B.C.	Lloydminster
Western Developments Ltd.	24 Michael Bldg., Calgary, Alta.....	Lloydminster
Wilton Oils Limited	Lloydminster	Lloydminster
Withers-Groat Syndicate.....	Tisdale	Lloydminster

1. Producer and driller.

Crude Petroleum Producers, 1949 - Con.

Name	Address	Location of Field
Alberta:		
Alberta Oil Incomes Limited.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Alberta Oil Producers Ltd.....	800 Hall Bldg., Vancouver, B.C.....	Vermilion
Alberta Government Oil Sands Project	10302-107 St., Edmonton	Bitumount
Alberta Pacific Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Alberta Washington Petroleums Limited ...	118 McFarland Bldg., Lethbridge	Del Bonita
Allied Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Amerada Petroleum Corporation.....	513-8th Ave. W., Calgary.....	Redwater
Anglo-Canadian Oil Company Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley and Elk Point
Apex Consolidated Resources Ltd.	36 Toronto St., Toronto, Ont.	Vermilion
Argus Royalties Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley
Arrow Oil Royalties Limited.....	804 Greyhound Bldg., Calgary, Alta.	Turner Valley
Associated Oil & Gas Company Limited...	200 Leeson-Lineham Blk., Calgary.....	Turner Valley
Athlone Syndicate	112 Thomson Bldg., Edmonton.....	Lloydminster
Atlantic Oil Company Limited.....	304 Toronto General Trusts Bldg., Calgary	Leduc
Baltac Oils Limited.....	200 Leeson-Lineham Blk., Calgary.....	Turner Valley
Bay Petroleum Corporation.....	Box 957, Denver, Colorado, U.S.A.....	Leduc
Bee Jay Syndicate.....	Box 446, Lloydminster.....	Lloydminster
Blackfoot Oils Limited.....	227 Tegler Bldg., Edmonton.....	Lloydminster
Blarney Syndicate	Lloydminster	Lloydminster
Borradaile Oils Ltd.	80 King St. W., Toronto, Ont.	Vermilion and Lloydminster
British American Oil Company Limited ¹ ...	King & Yonge Sts., Toronto, Ont.	
British Dominion Oil & Development Corporation Limited	213 Dominion Bank Bldg., Calgary	Turner Valley
California Standard Company	200 Greyhound Bldg., Calgary	Taber, Conrad and Princess
Calmar West Oils Ltd.....	420 Empire Bldg., Edmonton	Leduc
Calmont Oils Limited.....	303 Toronto General Trusts Bldg., Calgary	Leduc and Turner Valley
Calwin Royalties Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Canadian Gulf Oil Company.....	Tulsa 2, Okla., U.S.A.....	Pincher Creek, Redwater and Stettler
Cannar Oils Limited	360 McGill St., Montreal, Quebec	Vermilion
Castle Petroleum Syndicate No. 1.....	678 Howe St., Vancouver, B.C.	Lloydminster
Central Leduc Oils Limited.....	359 Palliser Hotel, Calgary	Leduc and Woodbend
Century Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Coastal Oils Limited	232 Loughheed Bldg., Calgary	Turner Valley
Command Oils Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commercial Oil Producers Ltd.	227 Tegler Bldg., Edmonton.....	Lloydminster
Commoil Limited	122-8th Ave. W., Calgary.....	Turner Valley and Lloydminster
Commonwealth Drilling Company Limited ²	4 Clarence Blk., Calgary.....	
Commonwealth Petroleum Limited.....	122-8th Ave. W., Calgary.....	Turner Valley and Lloydminster
Consumers Exploration Company Limited	211 Ave. D. North, Saskatoon, Sask.....	Princess
Continental Oil Co. of Canada Limited	407 Lancaster Bldg., Calgary.....	Turner Valley and Leduc
Crest Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Crude Oil Limited	304 Toronto General Trusts Bldg., Calgary	Turner Valley
D. & D. Royalties Limited	303 Toronto General Trusts Bldg., Calgary	Turner Valley
Davies Petroleums Limited	409 Lancaster Bldg., Calgary.....	Turner Valley
Deep Oils Limited.....	304 Toronto General Trusts Bldg., Calgary	Turner Valley

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers - Con.

Name	Address	Location of Field
Alberta - Con:		
Dinalta Syndicate	800 Lancaster Bldg., Calgary.....	Dina
Drillers & Producers Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley
East Crest Oil Company Limited	212 Grain Exchange Bldg., Calgary	Turner Valley
Edmonton Wainwright Oils Limited.....	8 McDougall Court, Edmonton.....	Wainwright
Empire Petroleums Limited	328 (a)-8th Ave. W., Calgary.....	Princess
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Exterior Petroleums Ltd.	Kitscoty	Lloydminster
Federal Oils Syndicate No. 1.....	605 Lancaster Bldg., Calgary.....	Princess
Federated Petroleums Ltd.....	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Company Limited	300-9th Avenue West, Calgary	Turner Valley
Four Star Petroleums Limited	232 Lougheed Bldg., Calgary	Turner Valley
Franco Oils Limited	Vermilion.....	Vermilion
Gas & Oil Products Ltd.	301 Lancaster Bldg., Calgary.....	Leduc
Gas & Oil Refineries Limited ¹	301 Lancaster Bldg., Calgary.....	
Gem Royalties Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley
Godfrey-Lehman Lloydminster Syndicate..	303 Lancaster Bldg., Calgary.....	Lloydminster
Granleduc Oils (Alberta) Ltd.	512 Alexandra Bldg., Edmonton	Lloydminster
Granville Oils Limited	122-8th Ave. W., Calgary.....	Turner Valley
Harris Wells Ltd.	201 Lancaster Bldg., Calgary.....	Turner Valley
Holly Petroleums Limited	132-22nd St., Saskatoon, Sask.	Lloydminster
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley Leduc and Redwater
Imperial Oil Limited	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Independent Royalties Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley
Kamalta Well Operators Ltd.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Leduc Consolidated Oils Limited	403 Lancaster Bldg., Calgary.....	Leduc
Lion Oil Producing Co. Ltd.....	200 Maclean Blk., Calgary.....	Turner Valley
Lloydminster Oil Producers Limited.....	227 Tegler Bldg., Edmonton.....	Lloydminster
Major Distributors Limited	407 Lancaster Bldg., Calgary.....	Leduc
Major National Oils Limited	407 Lancaster Bldg., Calgary.....	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary.....	Turner Valley
Maryland Petroleums Limited.....	111 Ardern Blk., Calgary.....	Turner Valley
McConset-Leduc Syndicate.....	302 Toronto General Trusts Bldg., Calgary	Leduc-Woodbend
Mercury Oils Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Miracle Oils Limited.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Miracle Royalties Wells & Valley Oils....	301 Lancaster Bldg., Calgary.....	Turner Valley
Model Oils Limited.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Nassau Investments Ltd. & T. A. Sparks..	401 Somerset Bldg., Winnipeg, Man.....	Lloydminster
National Petroleum Corp. Ltd.	401 Leeson-Lineham Bldg., Calgary	Turner Valley and Del Bonita
North Canadian Oils Limited	614 Lancaster Bldg., Calgary.....	Lloydminster
Northwell Operators Limited.....	900 Lancaster Bldg., Calgary.....	Redwater and Woodbend
Ohio Oil Company	539 South Main St., Findlay, Ohio,U.S.A....	Redwater
Okalta Oils Limited.....	Renfrew Bldg., Calgary.....	Turner Valley and Leduc
Pacific Petroleums Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley Princess and Redwater
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary.....	Lloydminster

1. Operates an absorption plant.

Crude Petroleum Producers, 1949 — Conc.

Name	Address	Location of Field
Alberta — Conc:		
Pan Western Oils Limited	328 A Eighth Ave. W., Calgary.....	Leduc
Paragon Oils Limited.....	118 McFarland Bldg., Lethbridge	Del Bonita
Petromine Exploration & Finance Co. Ltd.	9 Toronto St., Toronto, Ont.....	Lloydminster
Premium Petroleum Syndicate	3220 W. 4th Ave., Vancouver, B.C.....	Dina
Redwater Leaseholds Ltd.	308—8th Ave. W., Calgary.....	Campbell
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary	Turner Valley
Renown Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Reward Spooner Model.....	717 Lancaster Bldg., Calgary.....	Turner Valley
Ross Petroleum Limited.....	Bank of Nova Scotia Bldg., Edmonton	Leduc
Royal Canadian Oils Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley and Lloydminster
Royal Crest Petroleum Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Royalite Model No. 1 Well.....	201 Lancaster Bldg., Calgary.....	Turner Valley
S. A. C. Oils (Alberta) Ltd.....	569 Howe St., Vancouver, B.C.....	Lloydminster
Royalite Oil Company Limited ¹	606—2nd St. W., Calgary.....	Turner Valley
Saskahead Oils Ltd.....	Indian Head, Sask.....	Vermilion
Shamrock Oils	Lloydminster	Lloydminster
Share Oils Ltd.....	Elks Bldg., Calgary	Turner Valley
Shaw Alberta No. 3 Syndicate	Lloydminster	Lloydminster
Sioux Petroleum Limited	208 Walter Scott Bldg., Moose Jaw, Sask..	Vermilion
Southwest Petroleum Co. Ltd.....	300—9th Ave. W., Calgary.....	Turner Valley
Standard Pacific Petroleum Limited.....	200 Greyhound Bldg., Calgary	South Princess
Sterling Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Sunburst Oil Co. Ltd.....	470 Granville St., Vancouver, B.C.....	Turner Valley
Sunset Oils Limited.....	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Superior Oils Limited.....	509—8th Avenue. W., Calgary	Lloydminster and Joseph Lake
Taylor Petroleum Operators Ltd.	308—8th Ave. W., Calgary.....	Leduc and Stettler
Texaco Exploration Company.....	809—4th Street West, Calgary	Redwater and Calmar
Three Point Petroleum Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Turner Valley Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Vanpeg Royalties Well No. 1	301 Lancaster Bldg., Calgary.....	Turner Valley
Vulcan Brown Petroleum Limited	232 Lougheed Bldg., Calgary	Turner Valley
Wain-Con Oils Limited	112 Thomson Bldg., Edmonton.....	Wainwright
Wainwright Refineries Ltd.....	Wainwright	Wainwright
Western Developments Ltd.	24 Michael Bldg., Calgary	Lloydminster and Vermilion
Western Leaseholds Ltd.	24 Michael Bldg., Calgary	Redwater
Western Mineral Properties of Honolulu Oil Corporation, Barnsdall Oil Company, Seaboard Company of Delaware and Los Nietos Company.....	735—8th Ave. W., Calgary.....	Redwater
Western Petroleum Operators Limited....	407 Lancaster Bldg., Calgary.....	Turner Valley
Westside Royalties Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Winalta Royalties Limited.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Winlloyd Oils Limited	215 Douglas Bldg., Windsor, Ont.....	Lloydminster
York Oils Limited	221A—8th Ave. W., Calgary.....	Turner Valley
Yorkton Investors Syndicate	Yorkton, Sask.	Lloydminster
Northwest Territories:		
Imperial Oil Ltd. (Norman Wells).....	56 Church St., Toronto, Ontario	Fort Norman

1. In addition to operating and drilling wells in the Turner Valley field, this company operates an absorption plant.

(b) The Natural Gas Industry

Production of natural gas in Canada during 1949 amounted to 60,457,177 M cubic feet valued at \$11,620,302. These figures include the natural gas sold for domestic, industrial and other uses and also the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included.

As in preceding years Alberta was the leading province with a production of 51,179,779 M cubic feet. The Turner Valley field produced 27,312,300 M cubic feet and the Viking-Kinsella field was next with 14,682,529 M cubic feet. In 1949 the natural gas in Alberta was valued at the well head at a price per

unit which was lower than the price to consumers which was used in calculating the total values in previous years. Production of natural gas increased considerably in Saskatchewan, but there was a decline in output in Ontario and New Brunswick.

In 1949 there were 2,223 persons employed in this industry to whom \$4,713,266 was distributed in salaries and wages. Fuel cost \$51,670 and 254,962 k.w.h. of electricity cost \$7,290. Process supplies used were valued at \$4,552. Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry.

TABLE 14. Principal Statistics for the Natural Gas Industry, 1940-1949

Year	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1940.....	236	3,438	2,189	2,748,740	85,561	8,793	11,203,103
1941.....	231	3,424	2,161	2,841,795	103,229	4,975	11,223,103
1942.....	212	3,566	1,940	2,826,811	92,489	12,313	11,356,350
1943.....	191	3,558	1,882	2,846,514	181,841	7,899	11,552,696
1944.....	211	3,621	1,810	2,885,654	188,003	13,149	9,772,357
1945.....	218	3,748	1,890	2,993,091	227,514	18,298	10,860,594
1946.....	219	3,825	1,655	2,491,361	226,980	21,457	10,588,175
1947.....	186	3,799	1,784	3,057,249	220,344	19,975	12,333,332
1948.....	175	3,833	1,831	2,918,941	62,580	4,485	14,689,737
1949.....	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512

1. See footnote to Table 15.

TABLE 15. Principal Statistics, by Provinces, 1948 and 1949

Province	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1948							
New Brunswick.....	2	39	90	177,426	10,287	—	307,310
Ontario.....	150	3,629	1,004	1,310,207	4,286	4,469	6,958,247
Saskatchewan.....	2	18	6	8,042	—	—	47,727
Alberta.....	21	147	731	1,423,266	48,007	16	7,376,453
Canada	175	3,833	1,831	2,918,941	62,580	4,485	14,689,737
1949							
New Brunswick.....	2	40	89	183,785	4,926	—	174,226
Ontario.....	156	3,712	1,311	2,854,251	14,105	4,518	8,826,634
Saskatchewan.....	2	13	14	15,356	—	—	81,292
Alberta.....	24	162	809	1,659,874	39,929	34	8,500,360
Canada	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

TABLE 16. Production of Natural Gas, 1930-1949

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1930.....	29,376,919	10,289,985	1940.....	41,232,125	13,000,593
1931.....	25,874,723	9,026,754	1941.....	43,495,353	12,665,116
1932.....	23,420,174	8,899,462	1942.....	45,697,359	13,301,655
1933.....	23,138,103	8,712,234	1943.....	44,276,216	13,159,418
1934.....	23,162,324	8,759,652	1944.....	45,067,158	11,422,541
1935.....	24,910,786	9,363,141	1945.....	48,411,585	12,309,564
1936.....	28,113,348	10,762,243	1946.....	47,900,484	12,165,050
1937.....	32,380,991	11,674,802	1947.....	52,656,567	13,429,558
1938.....	33,444,791	11,587,450	1948.....	58,603,269	15,632,507
1939.....	35,185,146	12,507,307	1949.....	60,457,177	11,620,302

TABLE 17. Production of Natural Gas, by Provinces, 1940-1949

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	(M cubic feet)					
1940.....	616,041	13,053,403	100,773	27,459,808	1,500	41,232,125 ¹
1941.....	653,542	11,828,703	106,168	30,905,440	1,500	43,495,353
1942.....	619,380	10,476,770	117,124	34,482,585	1,500	45,697,359
1943.....	675,029	7,914,408	116,201	35,569,078	1,500	44,276,216
1944.....	702,464	7,082,508	119,116	37,161,570	1,500	45,067,158
1945.....	653,230	7,199,970	163,824	40,393,061	1,500	48,411,585
1946.....	541,010	7,051,309	209,569	40,097,096	1,500	47,900,484
1947.....	489,810	7,785,921	274,193	44,106,643	—	52,656,567
1948.....	420,352	8,590,429	477,271	48,965,217	150,000	58,603,269
1949.....	375,035	8,024,213	812,916	51,179,779	65,234	60,457,177

1. Includes 600 M cu. ft. in Manitoba.

TABLE 18. Production¹ of Natural Gas, by Provinces, 1948 and 1949

Province	1948		1949	
	M cu. ft.	Value	M cu. ft.	Value
		\$		\$
New Brunswick.....	420,352	287,446	375,035	146,864
Ontario.....	8,590,429	6,958,247	8,024,213	8,826,634
Saskatchewan.....	477,271	47,727	812,916	81,292
Alberta.....	48,965,217	8,324,087	51,179,779	2,558,989
Northwest Territories.....	150,000	15,000	65,234	6,523
Canada.....	58,603,269	15,632,507	60,457,177	11,620,302

1. Sold and used by producers.

TABLE 19. Production¹ of Natural Gas, by Months and by Provinces, 1949

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
	(M cu. ft.)				
January.....	42,516	773,557	114,027	6,770,029	7,705,565
February.....	38,446	692,327	72,166	6,142,694	6,951,069
March.....	36,084	703,661	88,536	4,916,028	5,749,745
April.....	36,493	704,068	51,644	3,427,936	4,225,577
May.....	32,708	725,404	30,296	3,084,002	3,877,846
June.....	30,508	606,978	29,377	2,813,620	3,485,920
July.....	23,646	531,941	30,009	2,737,704	3,328,737
August.....	18,554	563,918	35,747	2,737,751	3,361,406
September.....	24,085	610,468	56,600	3,027,946	3,724,535
October.....	28,642	614,314	104,015	4,282,904	5,035,311
November.....	31,657	709,457	59,130	4,162,862	4,968,542
December.....	31,696	788,120	141,369	7,076,303	8,042,924
Total.....	375,035	8,024,213	812,916	51,179,779	60,457,177

1. Sales and consumption by producers.

2. Includes 65,234 M cu. ft. in the Northwest Territories.

TABLE 20. Production¹ of Natural Gas in Alberta, by Fields, 1949

Field	M cu. ft.	Field	M cu. ft.
Leduc.....	1,187,566	Lloydminster.....	826,021
Turner Valley.....	27,312,300	Pekisko.....	660
Foremost.....	182,778	Princess.....	216,685
Medicine Hat.....	3,483,451	Red Coulee.....	4,056
Redcliff.....	1,368,230	Redwater.....	14,122
Viking—Kinsella.....	14,682,529	Stettler.....	317
Athabaska.....	66,751	St. Paul.....	98,517
Bow Island.....	453,190	Suffield.....	113,459
Brooks.....	133,659	Tilley.....	23,817
Campbell.....	721	Vermilion.....	637,847
Del Bonita.....	1,650	Wainwright.....	215,109
Elk Point.....	156,294		
Hanna.....	50	Total Alberta.....	51,179,779

1. Does not include waste gas and absorption plant shrinkage amounting to about 15 million M cu. ft.

TABLE 21. Production of Natural Gas in Ontario, by Fields, 1948 and 1949

County	Field	1948	1949
		(M cu. ft.)	
Essex.....	Kingsville.....	18,357	17,006
Kent.....	Tilbury, Romney and Raleigh.....	2,210,665	2,251,740
	Dover.....	134,780	100,431
	Chatham.....	636,226	435,474
	Zone.....	1,488,010	681,940
Lambton.....	Dawn.....	1,241,433	1,798,924
	Oil Springs.....		
Oxford.....	Brownsville.....	25,816	66,849
Elgin.....	Bayham.....	48,526	23,892
	Malahide.....	10,866	
Norfolk.....	Norfolk.....	413,970	372,165
Lincoln.....	Lincoln.....	1,772,101	1,684,216
Haldimand.....	Haldimand.....		
Wentworth.....	Wentworth.....		
Welland.....	Welland.....	471,488	455,461
Brant.....	Onondaga, Brantford and Tuscarora.....	51,691	49,615
Wells in surface drift.....	Harwich and Howard Tps.....	6,500	6,500
Private wells.....		60,000	80,000
Total Produced.....		8,590,429	8,024,213

TABLE 22. Number of Gas Wells, by Provinces, 1947-1949

		New Brunswick	Ontario	Saskatchewan	Alberta	Canada
Productive wells at beginning of year.....	1947	41	3,580	4	134	3,759
	1948	43	3,608	4	142	3,797
	1949	37	3,629	18	147	3,831
Number of productive wells drilled.....	1947	2	190	—	11	203
	1948	1	212	16	6	235
	1949	1	227	—	19	247
Number of dry wells drilled.....	1947	2	106	—	—	108
	1948	—	107	2	1	110
	1949	2	104	—	—	106
Number of wells abandoned.....	1947	—	120	—	3	123
	1948	7	195	2	1	205
	1949	—	197	5	4	206
Productive wells at end of year.....	1947	43	3,608	4	142	3,797
	1948	37	3,629	18	147	3,831
	1949	38	3,712	13	162	3,925

TABLE 23. Natural Gas Pipeline Mileage, 1947 and 1948

Province	Actual Miles of Mains				Miles of Equivalent 3" Mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1948	1949	1948	1949	1948	1949	1948	1949
New Brunswick.....	20	20	65	65	36	36	73	73
Ontario.....	2,289	2,242	1,990	1,987	3,798	3,806	2,228	2,258
Saskatchewan.....	10	23	—	12	15	32	—	10
Alberta.....	916	929	826	942	2,950	3,078	1,282	1,387
Canada.....	3,235	3,214	2,881	3,006	6,799	6,952	3,583	3,728

TABLE 24. Sales¹ of Manufactured and Natural Gas, 1948 and 1949

	1948			1949		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured Gas						
Domestic.....	540,781	14,481,351	17,608,776	540,384	14,323,521	18,160,349
House heating.....	5,179	2,113,794	1,444,026	6,172	2,030,443	1,573,323
Industrial.....	9,788	4,024,599	3,210,386	2,731	4,049,607	3,403,358
Commercial.....	24,172	4,975,321	4,812,378	31,666	5,491,153	5,512,163
Miscellaneous.....	124	32,634	33,213	76	18,544	25,802
Total.....	580,044	25,627,699	27,108,779	581,029	25,913,268	28,674,995
Natural Gas						
Domestic.....	203,291	20,992,397	10,139,163	213,255	21,662,603	11,372,530
Industrial.....	1,737	12,825,474	2,576,805	1,789	14,438,949	3,167,287
Commercial.....	13,986	9,831,775	2,610,828	14,736	10,501,941	2,884,957
Miscellaneous.....	343	155,028	34,297	458	154,056	41,476
Total.....	219,357	43,804,674	15,361,093	230,238	46,757,549	17,466,250
Total - All Gas.....	799,401	69,432,373	42,469,872	811,267	72,670,817	46,141,245

1. Sales by distributing companies to final consumers, amounts used by producers are not included.

TABLE 25. Sales¹ of Natural Gas, by Areas, 1948 and 1949

	1948		1949	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M cu. ft.	\$	M cu. ft.	\$
Eastern Canada				
Domestic.....	6,565,829	6,112,998	6,060,253	6,876,982
Industrial.....	1,300,502	1,105,061	1,285,978	1,349,845
Commercial.....	586,660	493,647	593,556	622,591
Miscellaneous ²	40,199	28,617	45,578	34,235
Total.....	8,493,190	7,740,323	7,985,365	8,883,653
Western Canada				
Domestic.....	14,426,568	4,026,165	15,602,350	4,495,548
Industrial.....	11,524,972	1,471,744	13,152,971	1,817,442
Commercial.....	9,245,115	2,117,181	9,908,385	2,262,366
Miscellaneous ²	114,829	5,680	108,478	7,241
Total.....	35,311,484	7,620,770	38,772,184	8,582,597
Canada - Total				
Domestic.....	20,992,397	10,139,163	21,662,603	11,372,530
Industrial.....	12,825,474	2,576,805	14,438,949	3,167,287
Commercial.....	9,831,775	2,610,828	10,501,941	2,884,957
Miscellaneous ²	155,028	34,297	154,056	41,476
Total.....	43,804,674	15,361,093	46,757,549	17,466,250

1. See footnote to table 24.

2. Includes some free customers.

TABLE 26. Employees and Their Earnings in the Natural Gas Industry, 1948 and 1949

	Number of Employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1948						\$	\$	\$
New Brunswick.....	—	—	88	2	90	—	177,426	177,426
Ontario.....	73	70	858	3	1,004	141,198	1,169,009	1,310,207
Saskatchewan.....	1	1	3	1	6	300	7,742	8,042
Alberta.....	81	41	599	10	731	275,763	1,147,503	1,423,266
Canada	155	112	1,548	16	1,831	417,261	2,501,680	2,918,941
1949								
New Brunswick.....	—	—	87	2	89	—	183,785	183,785
Ontario.....	199	151	958	3	1,311	764,768	2,089,483	2,854,251
Saskatchewan.....	1	—	13	—	14	500	14,856	15,356
Alberta.....	107	40	650	12	809	335,612	1,324,262	1,659,874
Canada	307	191	1,708	17	2,223	1,100,880	3,612,386	4,713,266

TABLE 27. Number of Workmen, by months, 1948 and 1949 (On the last work-day of each month)

Month	1948			1949		
	Male	Female	Total	Male	Female	Total
January.....	1, 172	14	1, 186	1, 273	18	1, 291
February.....	1, 161	17	1, 178	1, 262	15	1, 277
March.....	1, 192	11	1, 203	1, 250	14	1, 264
April.....	1, 289	9	1, 298	1, 454	12	1, 466
May.....	1, 652	13	1, 665	1, 766	14	1, 780
June.....	1, 836	15	1, 851	1, 920	18	1, 938
July.....	1, 853	20	1, 873	1, 949	16	1, 965
August.....	1, 814	17	1, 831	1, 992	17	2, 009
September.....	1, 777	21	1, 798	1, 941	16	1, 957
October.....	1, 799	17	1, 816	1, 911	16	1, 927
November.....	1, 567	16	1, 583	1, 833	15	1, 848
December.....	1, 323	16	1, 339	1, 495	16	1, 511
Average.....	1, 548	16	1, 564	1, 708	17	1, 725

Directory of Firms in the Natural Gas Industry - 1949

1. Distributing.
 2. Drilling and producing.
 3. Drilling only.
 4. Using or selling gas from absorption plant.

Name	Address	Location of Field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton.....	Stoney Creek
New Brunswick Oilfields Ltd.....	Box 194, Moncton.....	
Ontario:		
Acme Gas Syndicate.....	Ridgeway.....	Bertie
Amer-Can Gas & Oil Co.....	215 King St. W., Chatham.....	Dover
Barnhart, Mr. & Mrs. E.....	Stevensville.....	Bertie
Bates, Norman.....	Port Colborne.....	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville.....	Walpole
Beaver Oil & Gas Syndicate.....	67 Yonge St., Toronto.....	
Belmont Gas Co. ¹	Belmont.....	Walpole
Benn, A. S.....	Hagersville.....	
Benner, K. W.....	Fisherville.....	Rainham
Benner & Tinney.....	Fisherville.....	Rainham and Walpole
Bertie Township Gas & Oil Syndicate.....	Fisherville.....	Bertie and Willoughby
Big Seven Gas Syndicate.....	Fisherville.....	Rainham
Brindley & Harper.....	Bradford, Pa., U.S.A.....	Brantford
Broadway Gas Syndicate.....	Cayuga.....	Walpole
Buck, C. S.....	Port Rowan.....	Walsingham South
Burchell Natural Gas and Oil Syndicate...	Listowel.....	Woodhouse
Canada Cement Company Limited.....	Montreal, Quebec.....	Wainfleet
Canfield Natural Gas Company Limited...	Dunnville.....	Cayuga North
Cartwright, S. E.....	2377 Penobscot Bldg., Detroit, Mich., U.S.A.	Walpole

Directory of Firms in the Natural Gas Industry - 1949 - Con.

Name	Address	Location of Field
Ontario - Con.		
Cayuga Gas Syndicate	Cayuga.....	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Senaca Gas Syndicate	Cayuga.....	Senaca
Chippawa Creek Gas Syndicate.....	Drawer 200, Fort Erie.....	Bertie and Willoughby
Chira Gas Syndicate ¹	Brownsville.....	
Clover Mat Syndicate.....	Fort Erie	Woodhouse
Coleman, Ada S.....	Wellandport	Gainsboro
Commonwealth Oil & Gas Syndicate.....	Port Colborne	Humberstone
Coronation Gas Syndicate.....	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland.....	Crowland and Humberstone
Dawson, Ralph.....	Merlin.....	Tilbury East
Deanna Lee Syndicate	Fort Erie	Bertie
Dickout Bros.	Lowbanks	Moulton
DiMartile, T. A. ²	Fort Erie	Bertie
Dominion Natural Gas Company, Limited ²	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Norfolk, Haldimand, Welland, Essex and Kent
Dover Gas Syndicate	Drawer 200, Fort Erie.....	Woodhouse
Edward, Fred Gas Project	Petrolia.....	Enniskillen
Elk Development Syndicate.....	Bradford, Pa., U.S.A.	Humberstone
Emerson, H. L.....	Dunnville.....	Moulton, Canboro, Gainsboro, Cayuga South and Wainfleet
Erie Prospecting Syndicate.....	Ridgeway.....	Bertie
Falls View Gas Syndicate	Fort Erie	Stamford
Fisherville Gas Co.	Fisherville.....	Rainham
Fleet Manufacturing Limited	Fort Erie	Bertie
Fletcher & Messner.....	Selkirk	Rainham
Fletcher, Eva.....	Glanford Station	Binbrook
Fonthill Ridgeville Gas Co. Ltd. ¹	Fonthill.....	
Fox, E. S.....	Welland	Thorold
Garrison Gas Syndicate.....	Fort Erie	Bertie
George, Mrs. A.....	Fort Erie	Bertie
George, Frank.....	Fort Erie	Bertie
Glenney, E.....	Dunnville.....	Canboro
Goodfellow, G. ³	Dunnville.....	
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited...	Grimsby.....	Caistor, Gainsboro and Canboro
Hagersville Quarries Limited	Hagersville	Walpole
Haidon, R. ²	Chippawa.....	Willoughby
Haldimand Natural Gas Syndicate.....	Stevensville	Bertie
Haldimand Gas Syndicate.....	Cayuga.....	Rainham and Cayuga North
Highbank Oil Limited	Chatham	Raleigh
Hock, Albert.....	Wainfleet	Wainfleet
Hoover, A. E. Estate ³	Selkirk	
Houk Syndicate	Dunnville.....	Moulton
House, C. C.	Stevensville	Bertie
Ideal Gas Syndicate	Fisherville.....	Rainham

Directory of Firms in the Natural Gas Industry - 1949 - Con.

Name	Address	Location of Field
Ontario - Con.:		
Imperial Oil Ltd.	56 Church St., Toronto	Moore, Sombra, Raleigh, and Dover
Jackson, F. W. ³	Sarnia.....	
Jackson, P. L. ²	Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn, and Cayuga South
Jasperson, Bon Estate	Kingsville	Gosfield South and Romney
Jenkins, S. S.....	Fort Erie.....	Bertie and Townsend
Kerr, Robert.....	York.....	Senaca
Kramer, Harry.....	Port Colborne.....	Humberstone
Lake Erie Gas Syndicate	54 Hambly Ave., Toronto	Rainham
Lake Shore Gas & Oil Syndicate.....	Ridgeway.....	Bertie
Langan & Gresham	Welland.....	Thorold
Lapp & Arendt.....	Stevensville.....	Bertie
Leamington, Town of ¹	Leamington.....	
Lincoln Natural Gas Co. Ltd.	Malton	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
Locators Oils Limited.....	24 King St. W., Toronto	Middleton and Cayuga South
London, City of, Gas Company ¹	London	
Lymburner Bros. and Webber.....	Dunnville	Cayuga North, Rainham and Walpole
MacIntyre & Hawkins.....	Stevensville.....	Humberstone
Manock Gas Syndicate.....	Fort Erie.....	Bertie
McGaffey, Roy ³	Bothwell	
McKechnie, S. Estate.....	Dunnville	Walpole
McMaster, W. R.....	Caledonia.....	Binbrook
McPherson, R. L. ³	851 Tuscarora, Windsor	
Mehlenbacher, L. B. Gas Syndicate.....	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul.....	Fort Erie.....	Willoughby
Minor & Luck	Barrie.....	Sherbrooke
Mohawk Gas & Oil Syndicate Limited	421 Main St. E., Hamilton	Oneida and Walpole
Monarch Gas & Oil Syndicate.....	Fisherville	Walpole, Dunn and Cayuga South
Morningstar Gas Well	Ridgeway	Bertie
Nevada Gas Syndicate.....	Fort Erie.....	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond.....	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich	
North Cayuga Gas Co.....	Cayuga	Cayuga North
North Shore Gas Co.....	Selkirk.....	Rainham
Noyes, L. A.....	Stevensville.....	Willoughby
Oil Springs Oil & Gas Co. Ltd. ¹	Oil Springs	
Palsco, J. ¹	Wainfleet.....	
Patterson & Culver.....	Dunnville	Oneida

Directory of Firms in the Natural Gas Industry - 1949 - Con.

Name	Address	Location of Field
Ontario - Con.:		
Patterson, W. C. Gas Co. Ltd. ²	Box 914, Jamestown, N.Y., U.S.A.	Dunn, Rainham, Walpole, Cayuga North, Wainfleet, Willoughby, Crowland and Humberstone
Peacock Point Gas & Oil Syndicate.....	Fisherville.....	Walpole
Petrol Oil & Gas Co. Ltd.....	414 Bay St., Toronto	Oneida, Onondaga and Tuscarora
Port Colborne-Welland Gas Co. ²	Port Colborne	Senaca, Cayuga North, Oneida and Onondaga
Povec Gas Syndicate.....	Tillsonburg	Canboro
Prairie Gas & Oil Co. Limited.....	350 Bay St., Toronto 1.....	Dover
Provincial Gas Company Limited	Fort Erie	Humberstone, Willoughby, Bertie and Crowland
Purcifer, R.....	Stevensville	Humberstone
Queenston Gas & Oil Co. Ltd.....	Fort Erie.....	Willoughby, Walsingham South, Oneida and Woodhouse
Raydis Oil & Gas Company Limited.....	118 King St. W., Chatham	Norfolk
Reicheld, F. W. ²	Jarvis	Walpole
Ricker, E. A. ³	Canboro.....	
Riverside Syndicate	Welland	Welland
Rocks Mill Gas & Oil Syndicate.....	London.....	Norwich South
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto.....	Wainfleet
Roth, Frank.....	Ridgeway.....	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruegg, J. A.....	Ridgeway.....	Bertie
Salina Gas Company Limited.....	317 Queen St., Chatham.....	Tilbury East
Sandusk Gas Syndicate	Fisherville.....	Walpole
Sarnia Oil & Gas Co. Ltd.	302 Bay St., Toronto	Enniskillen
Schweyer, Benner & Tinney ³	Fisherville.....	
Shank & Snively	Selkirk	Oneida
Sherk & Carrothers.....	Sherkston.....	Humberstone
Sherk & Learn.....	Sherkston.....	Humberstone
Sherk & Nagel.....	Stevensville	Bertie
Sherk, Perry M.	Sherkston.....	Humberstone
Shurr, Ivan	Cayuga.....	Rainham
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston.....	Humberstone
Sider, Ralph ²	Ridgeway.....	Moulton and Bertie
Smith & Ehde.....	Lowbanks	Moulton and Dunn
Smith, H.	373 Oak Ave., Windsor.....	Romney
Southern, J.....	Welland	Crowland
Standard Gas & Oil Syndicate.....	Fisherville.....	Rainham and Walpole
Star Gas Syndicate.....	Ridgeway.....	Crowland, Humberstone and Bertie
Stevensville Natural Gas & Fuel Co.	Stevensville.....	Bertie
Stover, F. H. & Associates.....	Chatham	Raleigh
Streets, C. & O. W.....	Fort Erie	Bertie
Sundy Gas Wells.....	Dunnville.....	Canboro
Sunnyside Gas Syndicate.....	Port Colborne	Humberstone

Directory of Firms in the Natural Gas Industry - 1949 - Con.

Name	Address	Location of Field
Ontario - Con.:		
Swayze, H.	Hagersville	Oneida
Tanke, E.	393 Delaware Ave., Buffalo, N.Y., U.S.A.	Thorold
Tarr, N. ³	Port Dover	
Till Gas Syndicate	Tillsonburg	Walpole
Tyrrill, E. W.	Fort Erie	Bertie
Union Gas Company of Canada Limited...	Chatham	Tilbury, D'Clute, Dover, Dawn Camden Gore, Zone, Haldi- mand and Chatham
Valencourt Gas Syndicate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Valhalla Gas Syndicate	Fort Erie	Crowland and Thorold
Victoria Gas Co.	Dunnville	Rainham and Walpole
Victory Gas Syndicate	Huron & Erie Bldg., London	Windham
Walpole Gas Syndicate	Cayuga	Walpole, Cayuga North and Senaca
Walter Gas Syndicate Ltd. ²	Simcoe	Woodhouse, Townsend, Wal- singham South and Walpole
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
West Petroleum Limited	50 King St. W., Toronto	Romney
Wilkinson Gas Syndicate	Fort Erie	Thorold
Willoughby Gas Syndicate	Chippawa	Humberstone
Wood, Ray	Chatham	Townsend
Saskatchewan:		
Bata Petroleums Ltd.	310 Broder Bldg., Regina	Unity
Franco Oils Limited	Vermilion	Lone Rock
Lloydminster Gas Co. Ltd. ^{1, 2}	Lloydminster	Lloydminster
Northern Gas Distributors Ltd.	Kamsack	Kamsack
Alberta:		
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Pacific Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Anglo-Canadian Oil Company Limited	900 Lancaster Bldg., Calgary	Turner Valley
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Athabasca Utilities ¹	Lloydminster	
Atlantic Oil Company Limited	304 Toronto General Trusts Bldg., Calgary	Leduc
Bonnyville Gas Company Limited	Bonnyville	
British American Oil Company Limited ⁴ ...	Royal Bank Bldg., Toronto, Ont.	
British Dominion Oil & Development Cor- poration Limited	213 Dominion Bank Bldg., Calgary	Turner Valley
Calmont Oils Limited	303 Toronto General Trusts Bldg., Calgary	Turner Valley and Leduc
Canadian Pacific Railway Company	Montreal, Quebec	Medicine Hat
Canadian Western Natural Gas Company Limited	215-6th Ave. W., Calgary	Brooks

Directory of Firms in the Natural Gas Industry — 1949 — Conc.

Name	Address	Location of Field
Alberta — Con.:		
Canadian Western Power & Fuel Co. Ltd...	Redcliff.....	Redcliff
Coastal Oils Limited.....	232 Lougheed Bldg., Calgary.....	Turner Valley
Continental Oil Co. of Canada Limited....	407 Lancaster Bldg., Calgary.....	Turner Valley and Leduc
Crude Oils Limited.....	304 Toronto General Trusts Bldg., Calgary	Turner Valley
Davies Petroleums Limited.....	409 Lancaster Bldg., Calgary.....	Turner Valley
Department of National Defence.....	Suffield.....	Suffield
Dominion Glass Company Limited.....	1111 Beaver Hall Hill, Montreal, Quebec....	Medicine Hat
Drillers & Producers Ltd.....	304 Toronto General Trusts Bldg., Calgary	Turner Valley
Extension Oil Royalties Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley
Federated Petroleums Ltd.....	232 Lougheed Bldg., Calgary.....	Turner Valley
Foothills Oil & Gas Company Limited....	300-9th. Ave. W., Calgary.....	Turner Valley
Franco Public Service Limited.....	Vermilion.....	Vermilion
Gunderson Brick & Coal Co. Ltd.....	Redcliff.....	Redcliff
Harris Wells Ltd.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Home Oil Company Limited.....	226 Lougheed Bldg., Calgary.....	Turner Valley and Leduc
Imperial Oil Limited.....	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Wood- bend, Redwater, Lloyd- minster and Viking Kinsella
Inland Gas & Oil Co. Ltd.	35 Dominion Bank Chamber, Edmonton.....	Fabyan
Kamalta Limited.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Major Oil Investments Limited.....	407 Lancaster Bldg., Calgary.....	Turner Valley
Maple Leaf Milling Co. Limited.....	Dominion Bank Bldg., Toronto, Ont.	Medicine Hat
Medicine Hat, City of.....	Medicine Hat.....	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.....	Box 100, Medicine Hat.....	Medicine Hat
Miracle Royalties Wells.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Northwestern Utilities Limited.....	10124-104 St., Edmonton.....	Viking Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Que.	Medicine Hat
Pacific Petroleums Ltd.....	304 Toronto General Trusts Bldg., Calgary	Turner Valley, Princess and Redwater
Redcliff Premier Brick Co. Ltd.....	Redcliff.....	Redcliff
Redcliff Pressed Brick Co. Ltd.	Redcliff.....	Redcliff
Royalite Oil Company Limited ⁴	606-2nd St. W., Calgary.....	Turner Valley
Southwest Petroleum Co. Ltd.	300-9th Ave. W., Calgary.....	Turner Valley
Suffield Gas Supply.....	Suffield.....	Suffield
Sunset Oils Limited.....	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Superior Oils Limited.....	509-8th Ave. W., Calgary.....	Lloydminster
Taylor Petroleum Operators Ltd.....	308-8th Ave. W., Calgary.....	Leduc
Three Point Petroleums Limited.....	232 Lougheed Bldg., Calgary.....	Turner Valley
United Assets Limited.....	232 Lougheed Bldg., Calgary.....	Turner Valley
Valley Gas Company Limited ¹	Box L, Turner Valley.....	
Vulcan Brown Petroleums Limited.....	232 Lougheed Bldg., Calgary.....	Turner Valley
Wainwright Gas Company Limited ¹	36 Dominion Bank Bldg., Edmonton.....	
Western Petroleum Operators Limited.....	407 Lancaster Bldg., Calgary.....	Turner Valley
Wetaskiwin, City of.....	Wetaskiwin.....	Wetaskiwin
York Oils Limited.....	221A-8th Ave. W., Calgary.....	Turner Valley
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ont.	Fort Norman

CANADA, STATISTICS, 1950

GOVERNMENT OF CANADA

Government
Publications

THE CRUDE PETROLEUM AND
NATURAL GAS INDUSTRY
1950



THE CRUDE PETROLEUM AND NATURAL GAS
INDUSTRY, 1950

Published by Authority of the Rt. Hon. C. D. Howe
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Prepared in the Mining, Metallurgical and Chemical Section
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Dominion Bureau of Statistics
Ottawa

NOTICE

The Industry and Merchandising Division of the Bureau of Statistics collects and compiles figures on (a) the primary industries in Canada — mining, forestry and fishing; (b) manufacturing; (c) construction, and (d) merchandising and services.

The following reports constitute the complete volume on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A General Review of the Mining Industry, 25¢
- B The Gold Mining Industry, 50¢.
- C The Silver-Lead-Zinc Mining Industry, 30¢.
- D The Nickel-Copper Mining, Smelting and Refining Industry, 25¢.
- E The Miscellaneous Metal Mining Industry, 30¢.
- F The Non-ferrous Smelting and Refining Industry, 25¢.
- G The Coal Mining Industry, 75¢.
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- S The Sand and Gravel Industry, 25¢.
- T The Stone Industry, 35¢.
- U Contract Diamond Drilling in the Mining Industry, 25¢.

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1950

(a) THE CRUDE PETROLEUM INDUSTRY

Canadian producers of crude petroleum and natural gasoline delivered 29,043,788 barrels valued at \$84,619,937 in 1950, compared with 21,305,348 barrels valued at \$61,118,490 in 1949, an increase of 36 per cent in quantity and 38 per cent in total value.

Alberta accounted for nearly 95 per cent of the total crude oil output in Canada. The Redwater field had an output of 10,746,472 barrels in 1950 compared with 4,793,491 barrels in 1949. Production in the Leduc field increased to 10,589,472 barrels from 9,688,784 barrels. The Turner Valley field, which has been declining since 1942, had an output of 3,344,000 barrels compared with 3,826,543 barrels in 1949. The pipeline from Edmonton, Alberta, to the lakehead at Superior, Wisconsin, U.S.A. was completed in 1950 and shipments of crude from this point by tanker to refineries in Ontario began in the spring of 1951.

Saskatchewan's production increased to 1,041,098 barrels in 1950 from 782,188 barrels in 1949. In Ontario the production of 250,655 barrels was only slightly less than in the preceding year. Production was increased in the Northwest Territories but declined in New Brunswick.

The 260 firms, operating 3,849 wells, reported employment of 2,417 persons to whom \$7,848,539 were distributed for salaries and wages. Fuel cost \$518,048 and 5,638,484 k.w.h. of electricity were purchased for \$142,705. Process supplies were valued at \$1,053,348.

The general statistics refer only to firms which have producing wells, thus some oil prospecting, and geophysical survey companies are not included.

TABLE 1. Principal Statistics for the Crude Petroleum Industry, 1941-1950

Year	Number of operating wells	Number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of sales
			\$	\$	\$	\$
1941.....	2,312	1,844	3,254,817	609,616	194,182	15,011,324
1942.....	2,253	1,972	3,648,965	971,504	235,959	16,876,123
1943.....	2,197	2,399	5,212,895	709,879	202,479	16,906,780
1944.....	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358
1945.....	2,222	1,968	3,898,662	748,351	117,708	14,121,921
1946.....	2,314	1,563	3,260,571	914,551	109,555	14,725,139
1947.....	2,296	1,296	3,055,108	759,635	116,957	19,543,301
1948.....	2,581	1,641	4,391,929	1,939,856	112,952	37,388,975
1949.....	3,166	2,142	6,304,601	599,562	386,145	61,091,128
1950.....	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945

Note. Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics for the Crude Petroleum Industry, by Provinces, 1950

	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
Number of firms	95	33	131	1	260
Number of active wells ²	1,513	163	2,083	64	3,849 ^{3,4}
Number of employees:					
Administration	18	13	300	—	331
Workmen	134	99	1,832	21	2,086
Total	152	112	2,132	21	2,417
Earnings:					
Administration	\$ 41,884	\$ 37,593	\$ 1,140,446	—	\$ 1,219,923
Workmen	\$ 179,814	\$ 263,940	\$ 6,125,862	\$ 59,000	\$ 6,628,616
Total	\$ 221,698	\$ 301,533	\$ 7,266,308	\$ 59,000	\$ 7,848,539
Gross selling value of products \$	892,000	1,134,797	82,216,492	352,656	84,595,945
Cost of fuel and electricity	\$ 45,932	\$ 25,531	\$ 576,472	\$ 12,818	\$ 660,753
Cost of process supplies used \$	57,894	12,363	983,091	—	1,053,348

1. Data for New Brunswick are included in the Natural Gas Industry.

2. Includes wells still drilling and dry wells completed in year specified.

3. Includes 26 in New Brunswick.

4. Includes 109 gas wells.

TABLE 3. Production and Producers' Sales of Crude Petroleum, by Provinces, 1949 and 1950

Province	1949			1950		
	Production	Sales	Value of sales	Production	Sales	Value of sales
	(barrels)		\$	(barrels)		\$
New Brunswick	19,544	19,544	27,363	16,883	17,137	23,992
Ontario	260,670	260,670	901,143	250,655	250,655	892,000
Saskatchewan	782,188	782,188	836,941	1,041,098	1,041,098	1,134,797
Alberta ¹	20,246,392	20,087,418	58,999,936	27,595,616	27,548,169	82,216,492
Northwest Territories	155,528	155,528	353,108	189,472	186,729	352,656
Canada	21,464,322	21,305,348	61,118,490	29,093,724	29,043,788	84,619,937

1. Includes natural gasoline.

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1948-1950

Field	1948	1949	1950
	(barrels)		
Acheson	—	—	51,393
Campbell	—	—	60,012
Excelsior	—	—	272,186
Turner Valley	4,432,084	3,826,543	3,344,007
Leduc	4,657,371	9,688,784	10,589,472
Redwater	36,875	4,793,491	10,746,472
Conrad	179,627	139,728	110,062
Taber	201,527	150,746	114,916
Princess	186,393	121,227	122,909
Wainwright	17,131	16,086	15,360
Vermilion	112,331	86,933	49,041
Lloydminster	648,055	716,941	809,801
Dina	4,200	14,062	17,887
Brooks	16,519	13,979	—
Stettler	—	15,725	246,198
Golden Spike	—	85,081	292,813
Joseph Lake	—	35,858	168,855
Whitemud	—	26,506	45,437
Other	12,815	37,256	92,351
Total crude	10,504,928	19,768,946	27,149,232
Natural gasoline	468,655	477,446	446,384
Total	10,973,583	20,246,392	27,595,616

TABLE 5. Production of Crude Petroleum in Ontario, by Fields, 1948-1950

Field	1948	1949	1950
	(barrels)		
Petrolia and Enniskillen	40,603	42,632	40,548
Oil Springs	26,165	25,692	25,310
Moore township	544	301	931
Sarnia township	124	141	124
Plympton township	8	—	130
Bothwell township and Thamesville	15,238	17,940	17,067
Dover, Romney, Raleigh, Tilbury and Brooke	4,439	3,762	4,720
Onondaga	69	67	37
Mesa township	18,341	18,580	15,494
Dunwich	1,821	1,929	1,766
Dawn and Euphemia	7,312	999	2,281
Warwick, Metcalfe and Adelaide townships	2,479	2,010	1,670
Sombra township	59,846	146,617	140,577
Total	176,989	260,670	250,655

TABLE 6. Producers' Sales of Crude Petroleum, 1931-1950

Year	Barrels	\$	Year	Barrels	\$
1931.....	1,542,573	4,211,674	1941.....	10,133,838	14,415,096
1932.....	1,044,412	3,022,592	1942.....	10,364,796	15,968,851
1933.....	1,145,333	3,138,791	1943.....	10,052,302	16,470,417
1934.....	1,410,895	3,449,162	1944.....	10,099,404	15,429,900
1935.....	1,446,620	3,492,188	1945.....	8,482,796	13,632,248
1936.....	1,500,374	3,421,767	1946.....	7,585,555	14,989,052
1937.....	2,943,750	5,399,353	1947.....	7,692,492	19,575,682
1938.....	6,966,084	9,230,173	1948.....	12,286,660	37,418,895
1939.....	7,826,301	9,846,352	1949.....	21,305,348	61,118,490
1940.....	8,590,978	11,160,213	1950.....	29,043,788	84,619,937

TABLE 7. Producers' Sales of Crude Petroleum, by Provinces, 1941-1950

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	(Barrels of 35 Imperial gallons)					
1941.....	31,359	160,238	—	9,918,577	23,664	10,133,838
1942.....	28,089	143,845	—	10,117,073	75,789	10,364,796
1943.....	24,530	132,492	—	9,601,530	293,750	10,052,302
1944.....	23,296	125,067	—	8,727,366	1,223,675	10,099,404
1945.....	30,140	113,325	14,374	7,979,786	345,171	8,482,796
1946.....	28,584	123,082	118,686	7,137,921	177,282	7,585,555
1947.....	23,129	131,295	540,117	6,770,477	227,474	7,692,492
1948.....	21,372	176,989	849,166	10,888,592	350,541	12,286,660
1949.....	19,544	260,670	782,188	20,087,418	155,528	21,305,348
1950.....	17,137	250,655	1,041,098	27,548,169	186,729	29,043,788

TABLE 8. Production of Crude Petroleum, by Months, 1950

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	(Barrels of 35 Imperial gallons)					
January.....	1,435	23,092	61,950	1,836,812	2,374	1,925,663
February.....	1,311	20,104	74,539	1,849,709	4,877	1,950,540
March.....	1,414	19,513	80,759	2,329,418	13,074	2,444,178
April.....	1,366	15,124	86,719	1,914,635	27,581	2,045,425
May.....	1,387	25,209	97,157	1,808,504	26,886	1,959,143
June.....	1,318	21,836	93,702	2,043,792	22,553	2,183,201
July.....	1,434	21,156	96,143	2,472,850	22,902	2,614,485
August.....	1,331	22,297	95,271	2,310,762	38,962	2,468,623
September.....	1,725	21,468	87,079	2,604,936	13,740	2,728,948
October.....	1,381	21,489	74,483	2,879,538	2,973	2,979,864
November.....	1,412	19,692	95,042	3,069,043	5,535	3,190,724
December.....	1,369	19,675	98,254	2,475,617	8,015	2,602,930
Total.....	16,883	250,655	1,041,098	27,595,616	189,472	29,093,724

TABLE 9. Petroleum Wells, by Provinces, 1948-1950

	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
Productive wells at beginning of year:						
1948.....	27	1,559	81	519	58	2,244
1949.....	26	1,489	101	774	66	2,456
1950.....	26	1,518	138	1,243	64	2,989
Number of productive wells drilled:						
1948.....	—	26	23	273	8	327
1949.....	—	18	45	487	—	550
1950.....	—	22	30	760	—	812
Number of wells abandoned:						
1948.....	1	96	3	18	—	118
1949.....	—	49	8	18	2	77
1950.....	—	55	12	124	—	191
Number of dry wells drilled:						
1948.....	—	36	11	68	—	115
1949.....	—	25	7	100	—	132
1950.....	—	29	4	123	—	156
Number of productive wells in operation at end of year:						
1948.....	26	1,489	101	774	66	2,456
1949.....	26	1,518	138	1,243	64	2,989
1950.....	26	1,513	156	1,879	64	3,638

TABLE 10. Employees¹ and Their Earnings in the Crude Petroleum Industry, 1949 and 1950

—	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1949								
Ontario	10	7	122	—	139	47,739	162,525	210,264
Saskatchewan	10	3	60	—	73	45,769	149,653	195,422
Alberta	181	19	1,705	4	1,909	717,993	5,122,922	5,840,915
Northwest Territories	—	—	20	1	21	—	58,000	58,000
Canada	201	29	1,907	5	2,142	811,501	5,493,100	6,304,601
1950								
Ontario	11	7	134	—	152	41,884	179,814	221,698
Saskatchewan	9	4	96	3	112	37,593	263,940	301,533
Alberta	254	46	1,793	39	2,132	1,140,446	6,125,862	7,266,308
Northwest Territories	—	—	20	1	21	—	59,000	59,000
Canada	274	57	2,043	43	2,417	1,219,923	6,628,616	7,848,539

1. Employment in New Brunswick included in the Natural Gas Industry.

TABLE 11. Workmen, by Months, in the Crude Petroleum Industry, 1949 and 1950 (Number on pay-roll on the last work day of each month)

Month	1949			1950		
	Male	Female	Total	Male	Female	Total
January	1,734	4	1,738	1,881	30	1,911
February	1,753	3	1,756	1,865	30	1,895
March.....	1,840	4	1,844	1,852	31	1,883
April.....	1,833	4	1,837	1,789	31	1,820
May.....	1,939	7	1,946	1,977	42	2,019
June	2,030	5	2,035	2,028	44	2,072
July	2,025	5	2,030	2,132	45	2,177
August	2,019	4	2,023	2,145	47	2,192
September	1,978	4	1,982	2,105	47	2,152
October	1,863	5	1,868	2,134	52	2,186
November.....	1,942	4	1,946	2,166	44	2,210
December	1,901	4	1,905	2,122	46	2,168
Average.....	1,907	5	1,912	2,043	43	2,086

TABLE 12. Imports of Petroleum, Asphalt and Their Products, 1949 and 1950

Item	1949		1950	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not..... cwt.	441,949	871,093	425,285	966,246
Asphalt oil for paving..... gal.	—	—	81,592	9,609
Oil, imported by miners or mining companies, for the concentration of ores or metals..... gal.	150,423	108,795	164,621	139,759
Crude petroleum for refining .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	2,587,709	189,363,805	2,752,790	200,505,509
Crude petroleum n.o.p..... gal.	430,500	32,476	416,545	32,166
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum: all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah. when imported by oil refiners to be refined..... gal.	60,695,952	3,641,419	51,237,531	3,458,423
Fuel oil, ex-warehoused, for ships' stores... gal.	13,327,449	669,887	10,695,294	442,869
Aviation gasoline..... gal.	43,301,850	8,963,945	50,670,780	10,450,332
Kerosene lighter than .8236 specific gravity at 60° Fah., n.o.p..... gal.	36,618,392	3,687,650	15,722,711	1,855,875
Engine distillate, .8017 specific gravity or heavier at 60° Fah. gal.	1,236,878	166,887	166,010	23,506
Gasoline, lighter than .8236 specific gravity at 60° Fah. gal.	215,340,198	31,209,682	167,981,073	26,300,584
Natural casinghead, compression or absorption gasoline lighter than .6690 specific gravity (80.0 A.P.I.) at 60° Fah. when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada..... gal.	49,363,120	5,082,866	27,810,732	3,008,562

TABLE 12. Imports of Petroleum, Asphalt and Their Products, 1949 and 1950 — Concluded

Item	1949		1950	
	Quantity	Value	Quantity	Value
		\$		\$
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	gal. 9,538,199	1,725,916	9,233,616	1,770,521
Lubricating oils, 25 cents and over	gal. 6,925,888	2,943,839	8,476,712	3,544,547
Oils, mineral, n.o.p.	gal. 837,318	984,378	1,245,142	1,254,455
Stove oil, No.1 fuel oil	gal. 49,473,310	5,015,267	84,244,844	9,340,251
Light fuel oils, Nos. 2 and 3	gal. 38,912,347	3,456,260	142,824,141	14,169,757
Heavy fuel oils, Nos. 4, 5 and 6	gal. 98,093,110	5,123,750	260,643,818	14,806,731
Diesel fuel	gal. 38,465,627	3,863,056	71,225,969	7,147,308
Tractor fuel	gal. 38,626	5,515	11,180	1,713
Petroleum greases and lubricating greases, n.o.p. lb.	10,996,214	972,014	12,484,089	1,056,738
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes	—	590,822	—	625,346
Paraffin wax	lb. 24,282,584	1,614,209	29,793,532	2,209,701
Paraffin wax candles	lb. 236,047	67,077	186,251	61,842
Products of petroleum, n.o.p.	gal. 4,043,863	1,325,334	2,707,131	1,355,302
Liquefied petroleum gases	lb. 142,506,357	2,360,680	155,476,354	2,249,203
Naphtha, including solvent naphtha	gal. 3,924,515	816,982	5,453,297	1,176,666

TABLE 13. Exports of Petroleum and Its Products, 1949 and 1950

Item	1949		1950	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude	gal. —	—	—	—
Oil, coal and kerosene, refined	gal. 167,938	24,807	147,973	33,365
Gasoline and naphtha	gal. 2,019,342	291,361	123,860	31,124
Fuel oil	gal. 25,265,609	1,855,198	640,429	88,121
Lubricating oil	gal. 124,041	108,913	63,861	53,967
Oil, mineral, n.o.p.	gal. 418,226	34,953	418,766	52,777
Wax, mineral	cwt. 51,034	273,023	7,536	39,819

TABLE 14. Canadian Crude Petroleum Supply, 1936-1950

Year	Sales by Canadian producers	Imports	Apparent supply
(barrels of 35 Imperial gallons)			
1936	1,500,374	35,835,264	37,335,638
1937	2,943,750	38,914,717	41,858,467
1938	6,966,084	35,101,712	42,067,796
1939	7,826,301	37,094,823	44,921,124
1940	8,590,978	42,623,484	51,214,462
1941	10,133,838	46,791,026	56,924,864
1942	10,364,796	44,120,212	54,485,008
1943	10,052,302	49,753,782	59,806,084
1944	10,099,404	57,047,826	67,147,230
1945	8,482,796	56,806,214	65,289,010
1946	7,585,555	63,407,461	70,993,016
1947	7,692,492	69,076,848	76,769,340
1948	12,286,660	77,633,674	89,920,334
1949	21,305,348	75,680,992	96,986,340
1950	29,043,788	80,124,402	109,168,190

Note: Exports have been very small and may be neglected.

TABLE 15. Receipts of Crude Petroleum by Canadian Refineries, 1946 - 1950

Year	Maritimes and Quebec	Ontario	Manitoba Saskatchewan and Alberta	British Columbia	Canada
(barrels)					
1946:					
Canadian		122,002	6,868,740		6,990,742
Imported	27,029,943	24,375,452	6,221,865	5,715,512	63,342,772
Total	27,029,943	24,497,454	13,090,605	5,715,512	70,333,514
1947:					
Canadian	—	130,084	6,762,881	—	6,892,965
Imported	28,450,754	27,566,525	7,297,068	6,513,567	69,827,914
Total	28,450,754	27,696,609	14,059,949	6,513,567	76,720,879
1948:					
Canadian	—	176,262	11,762,299	—	11,938,561
Imported	36,481,290	28,433,238	5,118,073	7,303,538	77,336,139
Total	36,481,290	28,609,500	16,880,372	7,303,538	89,274,700
1949:					
Canadian	—	258,371	20,251,860	—	20,510,231
Imported	41,644,735	25,583,887	932,396	7,287,887	75,448,905
Total	41,644,735	25,842,258	21,184,256	7,287,887	95,959,136
1950					
Canadian	—	248,584	26,069,133	—	26,317,717
Imported	48,677,917	25,050,077	230,878	7,832,059	81,790,931
Total	48,677,917	25,298,661	26,300,011	7,832,059	108,108,648

TABLE 16. World Production of Crude Petroleum, 1950
(From "World Petroleum Statistics, 1950," by the United States Bureau of Mines)

Country	Production	Country	Production
(Thousands of barrels)			
North America:		Middle East Concluded:	
Canada	28,715	Kuwait	125,722
Cuba	120 ²	Lebanon	—
Mexico	72,443	Qatar	12,268
United States	1,971,845	Saudi Arabia	199,547
		Turkey	54
Total	2,073,123	Total	657,374
<i>Daily Average</i>	<i>5,680</i>	<i>Daily Average</i>	<i>1,801</i>
South America and Caribbean:		Other Asia:	
Argentina	23,353	China	730 ²
Bolivia	616	India-Burma and Pakistan	3,117
Brazil	278	Formosa	23
Chile	629	Japan	2,048
Colombia	34,059	Total	3,918
Ecuador	2,632	<i>Daily Average</i>	<i>16</i>
Netherlands Antilles	—	Other Africa:	
Peru	15,077	Algeria	24
Trinidad	20,632	Canary Islands	—
Uruguay	—	French Morocco	305
Venezuela	546,783	Total	329
Total	644,059	<i>Daily Average</i>	<i>1</i>
<i>Daily Average</i>	<i>1,765</i>	Oceania:	
Western Europe:		Australia	2
Belgium	—	British Borneo	30,958
Denmark	—	Indonesia	50,148 ¹
France	909	New Zealand	7
Western Germany	7,904	Total	81,115
Italy and Trieste	63	<i>Daily Average</i>	<i>222</i>
Netherlands	4,897	Total Above Countries	3,476,031
Norway	—	<i>Daily Average</i>	<i>9,524</i>
Portugal	—	USSR and Eastern Europe:	
Spain	—	USSR ³	273,200 ²
Sweden	—	Other Eastern Europe	46,960 ²
United Kingdom	340	Total	320,160
Total	14,113	<i>Daily Average</i>	<i>877</i>
<i>Daily Average</i>	<i>39</i>	Grand Total	3,796,191
Middle East:		<i>Daily Average</i>	<i>10,401</i>
Bahrein Island	11,016		
Egypt	16,373		
Iran	242,475		
Iraq	49,919		
Israel	—		

1. Includes New Guinea production, 1,748,473 barrels.

2. Partly estimated.

3. Includes Sakhalin.

Crude Petroleum Producers, 1950

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd	Moncton	Stoney Creek
Ontario¹:		
Austin, Gordon	Bothwell	Orford
Baines Bros.	Petrolia	Petrolia and Enniskillen
Barnes, A. G.	Petrolia	Petrolia and Enniskillen
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Canadian Oil Companies Limited	204 Richmond St. W., Toronto 1	Petrolia and Enniskillen
Chandler, H. & C.	16712 Vaughan Ave., Detroit 19, Mich., U.S.A.	Petrolia and Enniskillen
Colchester Oil & Gas Co.	Thamesville	Zone
Cole, W. J.	Petrolia	Petrolia and Enniskillen
Comfort, Alex	102 Inshes Ave., Chatham	Dover
Corey Oil Company Limited	Petrolia	Petrolia and Enniskillen
Demaray & Nichols	Oil Springs	
Dillon, T.	Leamington	Petrolia and Enniskillen
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F. H.	Petrolia	Petrolia and Enniskillen
Fairbank, J. H., Estate	Petrolia	Petrolia and Enniskillen
Hamlin, F. G.	Petrolia	Petrolia and Enniskillen
Heal, A.A.	Watford	Warwick and Adelaide
High Grade Natural Gas Co. Ltd.	215 King St. W., Chatham	Dover
Holmes, E. B.	Bothwell	Zone
Howlett, Fred W., & Sons Ltd.	Petrolia	Petrolia and Enniskillen
Imperial Oil Ltd.	56 Church St., Toronto	Sombra, Euphemia, Mosa and Moore
Irving, Robert	Petrolia	Petrolia and Enniskillen
Irwin, Foster	Petrolia	Petrolia and Enniskillen
Johnson, E.	Petrolia	Petrolia and Enniskillen
Kells, E. E.	Petrolia	Petrolia and Enniskillen
Kelly, J. E., Estate	Petrolia	Petrolia and Enniskillen
Kerr, J. J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E. A.	Bothwell	Zone
Lennan, Lloyd A.	Petrolia	Petrolia and Enniskillen
Lewis & Lewis	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
Marcus, A.	Bothwell	Zone
Marcus, L.	Wallacetown	Dunwick
McCutcheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McMullen, R. ²	Manitowaning	
McRoberts & Marsh	Bothwell	Zone
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, R.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H. M.	Oil Springs	Petrolia and Enniskillen
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Pope, H. O.	Bothwell	Zone

1. Producer of 300 barrels or more during the year.

2. Driller.

Crude Petroleum Producers, 1950 — Continued

Name	Address	Location of field
Ontario — concluded		
Pope, Wm.	Bothwell	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover East and Raleigh
Ramsay, C. W. ²	Manitowaning	—
Saroline Oil Co.	Petrolia	Petrolia and Enniskillen
Shain, Viola	Petrolia	Petrolia and Enniskillen
Slack, C. M.	Petrolia	Petrolia and Enniskillen
Stanley & McCrie	Bothwell	Camden Gore
Sutherland, B. M.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Warwick, Joseph	Oil Springs	Petrolia and Enniskillen
Warwick, Preston	Bothwell	Orford
Williamson, M. J.	Petrolia	Petrolia and Enniskillen
Wilson-Sullivan Development Co. ¹	112 S. Christina St., Sarnia	Warwick
Winnett, J. W. G.	418½ Talbot St., London	Zone and Orford
Woodward, Wm.	Oil Springs	Petrolia and Enniskillen
Yerks, Frank	Petrolia	Petrolia and Enniskillen
Saskatchewan:		
American Northland Oil Co. Ltd.	8035-102 St., Edmonton, Alta.	Lloydminster
Bata Petroleums Limited	310 Broder Bldg., Regina	Unity
Cardinal Petroleums Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Command Oils Limited	122-8th Ave. W., Calgary, Alta.	Lone Rock
Community Petroleums Ltd.	402 Nothern Crown Bldg., Regina	Lloydminster
Croft Syndicate	Lloydminster	Lloydminster
Donna Well No. 1	152-1st Ave. S., Saskatoon	Lloydminster
Fair Gas & Oil Limited	Lloydminster	Lloydminster
Franco Castle Syndicate	678 Howe St., Vancouver, B.C.	Lloydminster
Franco Oils Limited	Vermilion	Lone Rock
Highwood Development Limited	614 Lancaster Bldg., Calgary, Alta.	Lloydminster
Humboldt Petroleum Syndicate	Humboldt	Lloydminster
Husky Oil & Refining Ltd.	531-8th Avenue W., Calgary, Alta.	Lloydminster
Ibstone Petroleums Limited	North Battleford	Lloydminster
Karels & Federspiel Ltd.	McCallum-Hill Bldg., Regina	Lloydminster
Karels & Rennie	Swift Current	Lloydminster
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Malone, J. C.	712 McCallum Hill Bldg., Regina	Lloydminster
Manners No. 2	475 Howe St., Vancouver, B.C.	Lloydminster
Marshall Petroleums Limited	400 Burns Bldg., Calgary, Alta.	Lloydminster
Milton Oils	10520-127th St., Edmonton, Alta.	Lloydminster
Mowat & Babb Ltd.	Lloydminster	Lloydminster
North Canadian Oils Ltd.	614 Lancaster Bldg., Calgary, Alta.	Lloydminster
Northeast Syndicate	509-8th Ave. W., Calgary, Alta.	Lloydminster
Picardy Syndicate	Lloydminster	Lloydminster
Rogers Alberta Syndicate	North Battleford	Lloydminster
Rogers Bailey Syndicate	North Battleford	Lloydminster
Saskatoon Petroleums Limited	Medical Co-op Bldg., Saskatoon	Lloydminster
Tri-West Petroleums Ltd.	569 Howe St., Vancouver, B.C.	Lloydminster
Vanlloyd Oils Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Vesta Syndicate	Lloydminster	Lloydminster

1. Producer and driller.

2. Driller.

Crude Petroleum Producers, 1950 — Continued

Name	Address	Location of field
Saskatchewan — concluded		
Wilton Oils Limited	Lloydminster	Lloydminster
Withers-Groat Syndicate	Tisdale	Lloydminster
Alberta:		
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Oil Leaseholds Ltd.	100 Adelaide St. W., Toronto, Ont.	Lloydminster
Alberta Oil Producers Ltd.	800 Hall Bldg., Vancouver, B.C.	Vermilion
Alberta Washington Petroleums Limited..	118 McFarland Bldg., Lethbridge	Del Bonita
Allenbee Petroleums Limited	569 Howe St., Vancouver, B.C.	Leduc
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	513—8th Ave. W., Calgary	Redwater
Anglo-Canadian Oil Company Limited	900 Lancaster Bldg., Calgary	Turner Valley and Elk Point
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary, Alta.	Turner Valley
Athlone Syndicate	112 Thomson Bldg., Edmonton	Lloydminster
Atlantic Oil Company Limited	304 Toronto General Trusts Bldg., Calgary	Leduc
Bailey, A.G., Co. Limited	328a—8th Avenue W., Calgary	Leduc
Barons Oil Limited	305 Foothills Bldg., Calgary	Barons
Bay Petroleum Corporation	Box 957, Denver, Colorado, U.S.A.	Leduc
British American Oil Company Limited ¹	King & Yonge Sts., Toronto, Ont.	
California Standard Company	200 Grehound Bldg., Calgary	Taber, Conrad and Princess
Calmar West Oils Ltd.	420 Empire Bldg., Edmonton	Leduc
Calmont Oils Limited.	900 Lancaster Bldg., Calgary	Leduc and Turner Valley
Calwin-Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Canadian Delhi Oil Ltd.	112 Bank of Commerce Bldg., Calgary	Vermilion
Canadian Fina Oil Limited	203 Wilson Electric Bldg., Calgary	Bulwark
Canadian Gulf Oil Company	Tulsa 2, Okla., U.S.A.	Pincher Creek, Redwater and Stettler
Canadian Superior Oil of California Ltd.	627—8th Ave. W., Calgary	Excelsior
Cannar Oils Limited	360 McGill St., Montreal, Quebec	Vermilion
Can-Tex Drilling Co. Ltd.	609 Lancaster Bldg., Calgary	Stettler
Castle Petroleum Syndicate No. 1	678 Howe St., Vancouver, B.C.	Lloydminster
Central Leduc Oils Limited	359 Palliser Hotel, Calgary	Leduc and Woodbend
Century Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Command Oils Limited	122—8th Ave. W., Calgary	Turner Valley and Lloydminster
Commoil Limited	122—8th Ave. W., Calgary	Turner Valley and Lloydminster

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1950 — Continued

Name	Address	Location of field
Alberta — continued		
Commonwealth Drilling Company Limited ²	4 Clarence Blk., Calgary	
Commonwealth Petroleum Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Consumers Exploration Company Limited	211 Ave. D. North, Saskatoon, Sask.	Princess
Continental Oil Co. of Canada Limited...	407 Lancaster Bldg., Calgary	Turner Valley and Leduc
D. & D. Royalties Limited	303 Toronto General Trusts Bldg., Calgary	Turner Valley
Davies Petroleums Limited	409 Lancaster Bldg., Calgary	Turner Valley
Drillers & Producers Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley
East Crest Oil Company Limited	212 Grain Exchange Bldg., Calgary	Turner Valley
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Exterior Petroleums Ltd.	Kitscoty	Lloydminster
Federal Oils Syndicate No. 1	605 Lancaster Bldg., Calgary	Princess
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Company Limited	232 Lougheed Bldg., Calgary	Turner Valley
Four Star Petroleums Limited	232 Lougheed Bldg., Calgary	Turner Valley
Gas & Oil Products Ltd.	301 Lancaster Bldg., Calgary	Leduc
Gas & Oil Refineries Limited ¹	301 Lancaster Bldg., Calgary	
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
General Petroleums of Canada Limited...	509-8th Ave. W., Calgary	Leduc - Woodbend
Godfrey-Lehman Lloydminster Syndicate	303 Lancaster Bldg., Calgary	Lloydminster
Granleduc Oils (Alberta) Ltd.	227 Tegner Bldg., Edmonton	Lloydminster
Granville Oils Limited	122-8th Ave. W., Calgary	Turner Valley
Great West Exploration Limited	213 Dominion Bank Bldg., Calgary	Stettler
High Crest Oils Limited	609 Herald Bldg., Calgary	Campbell
Harris Wells Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Holly Petroleums Limited	132-22nd St., Saskatoon, Sask.	Lloydminster
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley, Leduc and Redwater
Imperial Oil Limited	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Independent Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
Kamalta Well Operators Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
L. B. Oils Limited	Municipal Airport, Edmonton	Leduc and Woodbend
Leduc Calmar Oil Co. Ltd.	403 Lancaster Bldg., Calgary	Leduc and Woodbend
Leduc Consolidated Oils Limited	403 Lancaster Bldg., Calgary	Leduc and Woodbend
Legion Oils Limited	513 Herald Bldg., Calgary	Redwater

1. Operates an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1950 — Continued

Name	Address	Location of field
Alberta — continued		
Major Distributors Limited	407 Lancaster Bldg., Calgary	Leduc
Major National Oils Limited	407 Lancaster Bldg., Calgary	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Marjack Oils Limited	101st Street, Edmonton.....	Leduc
Maryland Petroleums Limited	300—8th Ave. W., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
Mercury Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils ...	301 Lancaster Bldg., Calgary	Turner Valley
Model Spooner Syndicate	717 Lancaster Bldg., Calgary	Turner Valley
Naco Limited	9 Barron Bldg., Calgary	Drumheller
Nassau Investments Ltd. & T. A. Sparks	401 Somerset Bldg., Winnipeg, Man.	Lloydminster
National Petroleum Corp. Ltd.	401 Leeson-Lineham Bldg., Calgary	Turner Valley and Del Bonita
New British Dominion Oil Co. Ltd.	213 Dominion Bank Bldg., Calgary.....	Turner Valley
Northwell Operators Limited	900 Lancaster Bldg., Calgary	Redwater and Woodbend
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Redwater
Oil City Petroleum Ltd.	10304—117th St., Edmonton	Leduc
Okalta Oils Limited	Renfrew Bldg., Calgary.....	Turner Valley and Leduc
Pacific Petroleums Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley, Princess and Redwater
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary	Lloydminster
Pan Western Oils Limited	328A Eighth Ave. W., Calgary	Leduc
Paragon Oils Limited	118 McFarland Bldg., Lethbridge	Del Bonita
Paul Guthrie Development Limited	10460—111th St., Edmonton	Woodbend
Petromine Exploration & Finance Co. Ltd.	9 Toronto St., Toronto, Ont.	Lloydminster
Premium Petroleum Syndicate.....	3220 W. 4th Ave., Vancouver, B.C.	Dina
R. W. Development Company Ltd.	400 Lancaster Bldg., Calgary.....	Volmer
Rebus Oil Co. Ltd.	12650 Fort Road, Edmonton.....	Lloydminster
Redwater Leaseholds Ltd.	307—8th Ave. W., Calgary	Campbell
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary.....	Turner Valley
Reward Spooner Model	717 Lancaster Bldg., Calgary	Turner Valley
Ross Petroleums Limited	Bank of Nova Scotia Bldg., Edmonton	Leduc
Royal Canadian Oils Limited	403 Lancaster Bldg., Calgary	Turner Valley and Lloydminster
Royal Crest Petroleums Limited	232 Lougheed Bldg., Calgary.....	Turner Valley
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	239—6th Ave. W., Calgary.....	Turner Valley

1. In addition to operating and drilling wells in the Turner Valley field, this company operates an absorption plant.

Crude Petroleum Producers, 1950 — Concluded

Name	Address	Location of field
Alberta — concluded		
Schermerhorn Oil Corporation	714 First National Bldg., Tulsa, Oklahoma, U.S.A.	Redwater
Security Freehold Petroleums Ltd.	Nanton Bldg., Winnipeg, Man.	Leduc
Shamrock Oils	Lloydminster	Lloydminster
Share Oils Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Shaw Alberta No. 3 Syndicate	Lloydminster	Lloydminster
Shell Oil Co. of Canada Ltd.	25 Adelaide St., Toronto, Ont.	Jumping Pound
Sioux Petroleums Limited	208 Walter Scott Bldg., Moose Jaw, Sask.	Vermilion
Southwest Petroleum Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Standard Pacific Petroleums Limited	200 Greyhound Bldg., Calgary	South Princess
Sterling Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Superior Oils Limited	509—8th Avenue, W., Calgary	Lloydminster and Joseph Lake
Taylor Petroleum Operators Ltd.	627—8th Ave. W., Calgary	Leduc and Stettler
Texaco Exploration Company	809—4th Street West, Calgary	Redwater and Calmar
Three Point Petroleums Limited	232 Lougheed Bldg., Calgary	Turner Valley
Tri-West Petroleums Ltd.	204—569 Howe St., Vancouver, B.C.	Lloydminster
Turner Valley Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Vanpeg Royalties Well No. 1	301 Lancaster Bldg., Calgary	Turner Valley
Vermilion Consolidated Oils Limited	Vermilion	Vermilion
Vulcan Brown Petroleums Limited	232 Lougheed Bldg., Calgary	Turner Valley
Wain-Con Oils Limited	112 Thomson Bldg., Edmonton	Wainwright
Wainwright Refineries Ltd.	Wainwright	Wainwright
Western Developments Ltd.	24 Michael Bldg., Calgary	Lloydminster and Vermilion
Western Leaseholds Ltd.	24 Michael Bldg., Calgary	Redwater
Western Mineral Properties of Honolulu Oil Corporation, Barnsdall Oil Company, Seaboard Company of Delaware and Los Nietos Company	735—8th Ave. W., Calgary	Redwater
Western Petroleums Operators Limited	407 Lancaster Bldg., Calgary	Turner Valley
Westside Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Winlloyd Oils Limited	215 Douglas Bldg., Windsor, Ont.	Lloydminster
York Oils Limited	221A—8th Ave. W., Calgary	Turner Valley
Yorkton Investors Syndicate	Yorkton, Sask.	Lloydminster
Northwest Territories:		
Imperial Oil Ltd. (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1950 amounted to 67,822,230 thousand cubic feet valued at \$6,433,041. These figures include the natural gas sold for domestic, industrial and other uses and also the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included.

The valuation of the natural gas in Ontario was made at the wholesale price which was much lower than the retail price used in the computations of previous years. Alberta gas was valued at a nominal well head price.

In Alberta the Turner Valley field produced 28,846,738 M cubic feet and the Viking-Kinsella field was next with 13,903,554 M cubic feet. Production in Ontario, Saskatchewan and New Brunswick was approximately the same as in 1949.

The industry, in 1950, employed 2,618 persons to whom \$5,703,524 were paid in salaries and wages. Fuel cost \$98,068 and 1,380,174 k.w.h. of electricity cost \$32,436. Process supplies used were valued at \$55,676.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry.

TABLE 17. Principal Statistics for the Natural Gas Industry, 1941-1950

Year	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1941.....	231	3,424	2,161	2,841,795	103,229	4,975	11,223,103
1942.....	212	3,566	1,940	2,826,811	92,489	12,313	11,356,350
1943.....	191	3,558	1,882	2,846,514	181,841	7,899	11,552,696
1944.....	211	3,621	1,810	2,885,654	188,003	13,149	9,772,357
1945.....	218	3,748	1,890	2,993,091	227,514	18,298	10,860,594
1946.....	219	3,825	1,655	2,491,361	226,980	21,457	10,588,175
1947.....	186	3,799	1,784	3,057,249	220,344	19,975	12,333,332
1948.....	175	3,833	1,831	2,918,941	62,580	4,485	14,689,737
1949.....	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512
1950.....	196	3,991	2,618	5,703,524	130,504	55,676	6,444,215

1. See footnote to Table 15.

TABLE 18. Principal Statistics, by Provinces, 1949 and 1950

Province	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1949							
New Brunswick.....	2	40	89	183,785	4,926	—	174,226
Ontario.....	156	3,712	1,311	2,854,251	14,105	4,518	8,826,634
Saskatchewan.....	2	13	14	15,356	—	—	81,292
Alberta.....	24	162	809	1,659,874	39,929	34	8,500,360
Canada.....	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512
1950							
New Brunswick.....	2	42	70	153,516	7,336	—	238,657
Ontario.....	167	3,746	1,384	2,879,891	41,166	7,386	3,203,795
Saskatchewan.....	2	14	11	18,615	993	—	71,564
Alberta.....	25	189	1,153	2,651,502	81,009	48,290	2,930,199
Canada.....	196	3,991	2,618	5,703,524	130,504	55,676	6,444,215

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

TABLE 19. Production of Natural Gas, 1931-1950

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1931.....	25,874,723	9,026,754	1941.....	43,495,353	12,665,116
1932.....	23,420,174	8,899,462	1942.....	45,697,359	13,301,655
1933.....	23,138,103	8,712,234	1943.....	44,276,216	13,159,418
1934.....	23,162,324	8,759,652	1944.....	45,067,158	11,422,541
1935.....	24,910,786	9,363,141	1945.....	48,411,585	12,309,564
1936.....	28,113,348	10,762,243	1946.....	47,900,484	12,165,050
1937.....	32,380,991	11,674,802	1947.....	52,656,567	13,429,558
1938.....	33,444,791	11,587,450	1948.....	58,603,269	15,632,507
1939.....	35,185,146	12,507,307	1949.....	60,457,177	11,620,302
1940.....	41,232,125	13,000,593	1950.....	67,822,230	6,433,041

TABLE 20. Production of Natural Gas, by Provinces, 1941-1950

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	(M cubic feet)					
1941.....	653,542	11,828,703	106,168	30,905,440	1,500	43,495,353
1942.....	619,380	10,476,770	117,124	34,482,585	1,500	45,697,359
1943.....	675,029	7,914,408	116,201	35,569,078	1,500	44,276,216
1944.....	702,464	7,082,508	119,116	37,161,570	1,500	45,067,158
1945.....	653,230	7,199,970	163,824	40,393,061	1,500	48,411,585
1946.....	541,010	7,051,309	209,569	40,097,096	1,500	47,900,484
1947.....	489,810	7,785,921	274,193	44,106,643	—	52,656,567
1948.....	420,352	8,590,429	477,271	48,965,217	150,000	58,603,269
1949.....	375,035	8,024,213	812,916	51,179,779	65,234	60,457,177
1950.....	361,877	8,009,488	813,554	58,603,976	33,335	67,822,230

TABLE 21. Production¹ of Natural Gas, by Provinces, 1949 and 1950

Province	1949		1950	
	M cu. ft.	Value	M cu. ft.	Value
		\$		\$
New Brunswick	375,035	146,864	361,877	214,665
Ontario	8,024,213	8,826,634	8,009,488	3,203,795
Saskatchewan	812,916	81,292	813,554	71,564
Alberta	51,179,779	2,558,989	58,603,976	2,930,199
Northwest Territories	65,234	6,523	33,335	12,818
Canada	60,457,177	11,620,302	67,822,230	6,433,041

1. Sold and used by producers.

TABLE 22. Production¹ of Natural Gas, by Months and by Provinces, 1950

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
	(M cu.ft.)				
January	36,598	670,351	125,017	8,526,930	9,361,673
February	32,615	616,489	104,839	5,769,316	6,526,037
March	31,927	599,954	88,199	5,765,838	6,488,696
April	32,739	719,343	69,519	4,437,902	5,262,281
May	30,163	674,653	51,383	3,494,288	4,253,265
June	30,391	553,707	59,686	2,747,159	3,393,721
July	22,115	630,762	8,093	2,898,840	3,562,588
August	20,912	571,959	36,336	3,055,350	3,687,335
September	29,276	730,747	42,778	3,449,585	4,255,164
October	32,689	803,636	57,689	4,885,406	5,782,198
November	30,207	633,219	69,419	6,713,964	7,449,587
December	32,245	804,668	100,596	6,859,398	7,799,685
Total	361,877	8,009,488	813,554	58,603,976	67,822,230

1. Sales and consumption by producers.

2. Includes 33,335 M cu. ft. in the Northwest Territories.

TABLE 23. Production¹ of Natural Gas in Alberta, by Fields, 1950

Field	M cu.ft.	Field	M cu. ft.
Leduc	1,654,855	Lloydminster	773,043
Turner Valley	28,846,738	Pekiska	2,325
Foremost	239,929	Pouce Coupe	215,969
Medicine Hat	3,784,895	Princess	75,065
Redcliff	1,436,145	Red Coulee	4,056
Viking-Kinsella	18,908,554	Redwater	65,200
Athabasca	90,963	Stettler	23,424
Barrhead	1,400	St. Paul	134,984
Bonnyville	38,830	Suffield	133,952
Bow Island	616,797	Tilley	25,772
Brooks	172,479	Vermilion	803,501
Campbell	5,454	Wainwright	318,543
Del Bonita	1,300	Whitemud	2,155
Elk Point	216,177	Other fields	8,909
Golden Spike	2,562	Total Alberta	58,603,976

1. Does not include waste gas and absorption plant shrinkage amounting to about 17 million M cu. ft.

TABLE 24. Production of Natural Gas in Ontario, by Fields, 1949 and 1950

County	Field	1949	1950
Essex	Kingsville	1,913,376	1,761,648
	Tilbury		
	Dover	100,431	139,121
Kent	D'Clute	355,370	231,950
	Chatham and Camden Gore	435,474	262,913
	Zone	681,940	439,299
	Dawn	112,863	4,959
Lambton	Kimball	1,402,106	2,212,905
	Becher	283,955	157,756
Elgin	Bayham and Malahide	23,892	64,184
Haldimand	Haldimand	1,684,216	1,584,476
Lincoln	Brant	49,615	46,849
Wentworth	Norfolk	372,165	384,580
Brant	Brownsville	66,849	43,542
Norfolk	Welland	455,461	548,806
Oxford	Harwich and Howard	6,500	6,500
Welland		80,000	120,000
Wells in surface drift			
Private wells			
Total produced		8,024,213	8,009,488

TABLE 25. Number of Gas Wells, by Provinces, 1948-1950

	New Brunswick	Ontario	Saskatchewan	Alberta	Canada
Productive wells at beginning of year	1948 43	3,608	4	142	3,797
	1949 37	3,629	18	147	3,831
	1950 38	3,712	13	162	3,925
Number of productive wells drilled	1948 1	212	16	6	235
	1949 1	227	—	19	247
	1950 1	212	1	30	244
Number of dry wells drilled	1948 —	107	2	1	110
	1949 2	104	—	—	106
	1950 2	97	—	—	99
Number of wells abandoned	1948 7	195	2	1	205
	1949 —	197	5	4	206
	1950 —	121	—	5	126
Productive wells at end of year	1948 37	3,629	18	147	3,831
	1949 38	3,712	13	162	3,925
	1950 39	3,746	14	187	3,986

TABLE 26. Natural Gas Pipeline Mileage, 1949 and 1950

Province	Actual Miles of Mains				Miles of Equivalent 3" Mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1949	1950	1949	1950	1949	1950	1949	1950
New Brunswick	20	20	65	65	36	36	73	73
Ontario	2,242	2,199	1,987	2,024	3,806	3,763	2,258	2,221
Saskatchewan	23	24	12	14	32	34	10	11
Alberta	929	1,050	942	1,159	3,078	3,401	1,387	1,718
Canada	3,214	3,293	3,006	3,262	6,952	7,234	3,728	4,023

TABLE 27. Sales¹ of Manufactured and Natural Gas, 1949 and 1950

	1949			1950		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
Manufactured gas		M. cu. ft.	\$		M. cu. ft.	\$
Domestic	540,384	14,323,521	18,160,349	539,364	14,499,352	18,205,192
House heating	6,172	2,030,443	1,573,323	6,714	2,314,322	1,804,858
Industrial	2,731	4,049,607	3,403,358	4,412	4,325,510	3,737,047
Commercial	31,666	5,491,153	5,512,163	29,928	5,864,220	5,683,000
Miscellaneous	76	18,544	25,802	79	26,997	37,347
Total	581,029	25,913,268	28,674,995	580,497	27,030,401	29,467,444
Natural gas						
Domestic	213,255	21,656,014	11,372,530	219,944	26,486,948	13,378,162
Industrial	1,789	14,438,949	3,167,287	1,797	17,896,661	4,067,603
Commercial	14,736	10,501,941	2,884,957	20,776	13,517,487	4,133,355
Miscellaneous	458	154,056	41,476	476	197,194	59,291
Total	230,238	46,750,960	17,466,250	242,993	58,098,290	21,638,411
Total — All Gas	811,267	72,664,228	46,141,245	823,490	85,128,691	51,105,855

1. Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 28. Sales¹ of Natural Gas, by Areas, 1949 and 1950

	1949		1950	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M cu. ft.	\$	M cu. ft.	\$
Eastern Canada				
Domestic	6,053,664	6,876,982	6,640,096	7,577,834
Industrial	1,285,978	1,349,845	1,549,713	1,637,336
Commercial	593,556	622,591	1,189,665	1,279,491
Miscellaneous ²	45,578	34,235	52,921	44,872
Total.....	7,978,776	8,883,653	9,432,395	10,539,533
Western Canada				
Domestic	15,602,350	4,495,548	19,846,852	5,800,328
Industrial	13,152,971	1,817,442	16,346,948	2,430,267
Commercial.....	9,908,385	2,262,366	12,327,822	2,853,864
Miscellaneous ²	108,478	7,241	144,273	14,419
Total.....	38,772,184	8,582,597	48,665,895	11,098,878
Canada — Total				
Domestic	21,662,603	11,372,530	26,486,948	13,378,162
Industrial	14,438,949	3,167,287	17,896,661	4,067,603
Commercial.....	10,501,941	2,884,957	13,517,487	4,133,355
Miscellaneous ²	154,056	41,476	197,194	59,291
Total.....	46,750,960	17,466,250	58,098,290	21,638,411

1. See footnote to table 24.

2. Includes some free customers.

TABLE 29. Employees and Their Earnings in the Natural Gas Industry, 1949 and 1950

—	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1949								
New Brunswick	—	—	87	2	8	—	183,785	183,785
Ontario	199	151	958	3	1,311	764,768	2,089,483	2,854,251
Saskatchewan	1	—	13	—	14	500	14,856	15,356
Alberta	107	40	650	12	809	335,612	1,324,262	1,659,874
Canada	307	191	1,708	17	2,223	1,100,880	3,612,386	4,713,266
1950								
New Brunswick	—	—	69	1	70	—	153,516	153,516
Ontario	207	166	1,009	2	1,384	668,493	2,211,398	2,879,891
Saskatchewan	2	—	9	—	11	2,300	16,315	18,615
Alberta	161	44	934	14	1,153	546,248	2,105,254	2,651,502
Canada	370	210	2,021	17	2,618	1,217,041	4,486,483	5,703,524

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton	
New Brunswick Oilfields Ltd.	Box 194, Moncton	Stoney Creek
Ontario:		
Acme Gas Syndicate	Ridgeway.....	Bertie
Bain, Lyons & Werner	Fisherville	Cayuga South
B. & D. Development Co.	Niagara Falls	Willoughby
Barnhart, Mr. & Mrs.E.	Stevensville	Bertie
Bates, Norman	Port Colborne	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville.....	
Beaver Oil & Gas Syndicate.....	67 Yonge St., Toronto	Walpole
Belmont Gas Co. ¹	Belmont	
Benner, K. W.	Fisherville	Rainham
Benner & Tinney	Fisherville	Rainham and Walpole
Bertie Township Gas & Oil Syndicate	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Brindley & Harper	Bradford, Pa., U.S.A.	Brantford
Broadway Gas Syndicate.....	Cayuga.....	Walpole
Buck, C.S.....	Port Rowan	Walsingham South
Burchell Natural Gas and Oil Syndicate....	Listowel	Woodhouse
Canada Cement Company Limited	Montreal, Quebec	Wainfleet
Canfield Natural Gas Company Limited	Dunnville.....	Cayuga North
Cartwright, S.E.	2377 Penobscot Bldg., Detroit, Mich., U.S.A.	Walpole
Caugheli Bros.	Dunnville.....	Cayuga South

Directory of Firms in the Natural Gas Industry — 1950 — Continued

Name	Address	Location of field
Ontario—Continued		
Cayuga Gas Syndicate.....	Cayuga.....	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Senaca Gas Syndicate	Cayuga.....	Senaca
Chippawa Creek Gas Syndicate	Drawer 200, Fort Erie	Bertie and Willoughby
Chira Gas Syndicate ¹	Brownsville	
Clover Mat Syndicate.....	Fort Erie	Woodhouse
Commonwealth Oil & Gas Syndicate	Port Colborne	Humberstone
Consolidated West Petroleum Limited	50 King St.W., Toronto	Romney
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Syndicate	Fort Erie	Bertie
Dell-Burn Gas Limited ²	Dunnville.....	Various
Dickout Bros.	Lowbanks	Moulton
Dominion Natural Gas Company, Limited ²	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Norfolk, Haldimand, Welland, Essex and Kent
Dover Gas Syndicate	Drawer 200, Fort Erie.....	Woodhouse
Edward, Fred, Gas Project.....	Petrolia	Enniskillen
Elk Development Syndicate	Bradford, Pa., U.S.A.	Humberstone
Emerson, H. L. ²	Dunnville.....	Moulton, Canboro, Gainsboro, Cayuga South and Wainfleet
Erie Prospecting Syndicate	Ridgeway.....	Bertie
Essex Gas & Oil Limited	Windsor	Malden
Falls View Gas Syndicate	Fort Erie	Stamford
Fisherville Gas Co.	Fisherville	Rainham
Fleet Manufacturing Limited	Fort Erie	Bertie
Fletcher & Messner	Selkirk	Rainham
Fletcher, Eva	Glanford Station	Binbrook
Fonthill Ridgeville Gas Co. Ltd. ¹	Fonthill	
Fox, E.S.	Welland	Thorold
Garrison Gas Syndicate.....	Fort Erie	Bertie
George, Mrs. A.	Fort Erie	Bertie
George, Frank	Fort Erie	Bertie
Glenney, E.	Dunnville.....	Canboro
Grand River Gas & Oil Syndicate ²	Canfield.....	Cayuga North
Grimsby Natural Gas Company Limited	Grimsby	Caistor, Gainsboro and Canboro
Hagersville Quarries Limited.....	Hagersville	Walpole
Haidon, R.	Chippawa.....	Willoughby
Haldimand Natural Gas Syndicate.....	Stevensville	Bertie
Haldimand Gas Syndicate	Cayuga.....	Rainham and Cayuga North
Highbank Oil Limited.....	Chatham.....	Raleigh
High Grade Natural Gas Company Ltd.	Chatham.....	Dover
Hock, Albert	Wainfleet	Wainfleet
Hoover, A.E., Estate ³	Selkirk	
Houk Syndicate.....	Dunnville.....	Moulton
House, C. C. ²	Stevensville	Bertie
Ideal Gas Syndicate	Fisherville	Rainham

Directory of Firms in the Natural Gas Industry — 1950 — Continued

Name	Address	Location of field
Ontario — Continued		
Imperial Oil Ltd.	56 Church St., Toronto	Moore, Sombra, Raleigh, and Dover
Jackson, P. L. ²	Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn, and Cayuga South
Jasperson, Bon Estate	Kingsville	Gosfield South and Romney
Jenkins, S. S.	Fort Erie	Bertie and Townsend
Kerr, Robert	York	Senaca
Kin-Mar Syndicate ²	Fort Erie	Bertie and Willoughby
Kramer, Harry	Port Colborne	Humberstone
Lake Erie Gas Syndicate	54 Hambly Ave., Toronto	Rainham
Lake Shore Gas & Oil Syndicate	Ridgeway	Bertie
Langan, K.	Welland	Thorold
Lapp & Arendt	Stevensville	Bertie
Leamington, Town of ¹	Leamington	
Lincoln Natural Gas Co. Ltd.	Malton	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
Locators Oils Limited	24 King St. W., Toronto	Middleton and Cayuga South
London, City of, Gas Company ¹	London	
Lunenfild, S.	Fort Erie	Bertie
Lymburner Bros. and Webber ²	Dunnville	Cayuga North, Rainham and Walpole
MacAnn Well Syndicate	Fort Erie	Bertie
Maguire, J.	Clifford	Walpole
Manock Gas Syndicate	Fort Erie	Bertie
Maple Leaf Gas Syndicate	Ridgeway	Bertie
McIntyre & Hawkins	Welland	Humberstone
McKechnie, S., Estate	Dunnville	Walpole
McMaster, W. R.	Caledonia	Binbrook
Mehlenbacher, L.B., Gas Syndicate	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul	Fort Erie	Willoughby
Minor & Luck	Barrie	Sherbrooke
Mitchell, S.T.	Dunnville	Dunn
Mohawk Gas & Oil Syndicate Limited	421 Main St. E., Hamilton	Oneida and Walpole
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Morningstar Gas Well	Ridgeway	Bertie
Neff, R.	Sherkston	Humberstone
Nevada Gas Syndicate	Fort Erie	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich	
North Cayuga Gas Co.	Cayuga	Cayuga North
North Shore Gas Co.	Selkirk	Rainham
Noyes, L. A.	Stevensville	Willoughby
Oil Springs Oil & Gas Co. Ltd.	Oil Springs	
Palsco, J. ¹	Wainfleet	
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Petrol Oil & Gas Co. Ltd.	414 Bay St., Toronto	Oneida, Onondaga and Tuscarora

Directory of Firms in the Natural Gas Industry — 1950 — Continued

Name	Address	Location of field
Ontario - continued		
Port Colborne-Welland Gas Co. ²	Port Colborne	Senaca, Cayuga North, Oneida and Onondaga
Povec Gas Syndicate	Tillsonburg	Canboro
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1.....	Dover
Provincial Gas Company Limited	Fort Erie	Humberstone, Willoughby, Bertie and Crowland
Purcifer, R.	Stevensville.....	Humberstone
Queenston Gas & Oil Co. Ltd.	Fort Erie	Willoughby, Walsingham South, Oneida and Woodhouse
Raydis Oil & Gas Company Limited.....	118 King St. W., Chatham	Norfolk
Reicheld, F.W.....	Jarvis	Walpole
Ricker, E. A. ³	Canboro	
Riverside Syndicate	Welland.....	Welland
Romney Gas & Oil Co. Ltd.....	18 Toronto St., Toronto.....	Wainfleet
Roth, Frank	Ridgeway	Bertie
Royal Gas Syndicate	Stevensville.....	Bertie
Ruegg, J. A.	Ridgeway	Bertie
Salina Gas Company Limited.....	317 Queen St., Chatham	Tilbury East
Sandusk Gas Syndicate	Fisherville	Walpole
Sarnia Oil & Gas Co. Ltd.	302 Bay St., Toronto	Enniskillen
Shank & Snively.....	Selkirk	Oneida
Sherbrooke Gas Syndicate	Dunnville	Sherbrooke
Sherk & Carrothers	Sherkston	Humberstone
Sherk & Learn	Sherkston	Humberstone
Sherk & Nagel	Stevensville	Bertie
Sherk, Perry M.	Sherkston	Humberstone
Shurr, Ivan	Cayuga	Rainham
Sider, A. & J.	Stevensville.....	Bertie and Humberstone
Sider, Norman.....	Sherkston	Humberstone
Sider, Ralph ²	Ridgeway	Moulton and Bertie
Smith & Ehde	Lowbanks.....	Moulton and Dunn
Smith, H.	373 Oak Ave., Windsor	Romney
Southern, J.	Welland.....	Crowland
Standard Gas & Oil Syndicate	Fisherville.....	Rainham and Walpole
Star Gas Syndicate	Ridgeway	Crowland, Humberstone and Bertie
Stevensville Natural Gas & Fuel Co.	Stevensville.....	Bertie
Stover, F.H., & Associates	Chatham	Raleigh
Streets, C. & O. W.	Fort Erie	Bertie
Sundy Gas Wells	Dunnville	Canboro
Sunnyside Gas Syndicate	Port Colborne	Humberstone
Swayze, H.	Hagersville	Oneida
Tanke, E.	393 Delaware Ave., Buffalo, N.Y., U.S.A..	Thorold
Till Gas Syndicate	Tillsonburg	Walpole
Tri-County Gas & Oil Co. Ltd.	Tillsonburg	Norwich South
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited....	Chatham	Tilbury, D'Clute, Dover, Dawn, Camden Gore, Zone, Haldimand and Chatham
Valencourt Gas Syndicate	Welland.....	Thorold

Directory of Firms in the Natural Gas Industry — 1950 — Continued

Name	Address	Location of field
Ontario — Concluded		
Valencourt, L.	Welland.....	Thorold
Victory Gas Syndicate	Huron & Erie Bldg., London	Windham
Walpole Gas Syndicate	Cayuga	Walpole, Cayuga North and Senaca
Walter Gas Syndicate Ltd. ²	Simcoe	Woodhouse, Townsend, Walsingham South and Walpole
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Warren, G. ³	Tillsonburg	
Welland County Gas Syndicate	Stevensville.....	Bertie
Welland Gas Syndicate	Welland.....	Humberstone
Wilkinson Gas Syndicate	Fort Erie	Thorold
Willoughby Gas Syndicate	Chippawa	Humberstone
Wood, Ray.....	Chatham	Townsend
Saskatchewan:		
Bata Petroleums Ltd.	310 Broder Bldg., Regina	Unity
Franco Oils Limited.....	Vermilion	Lone Rock
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Northern Gas Distributors Ltd.....	Kamsack.....	Kamsack
Alberta:		
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valey
Amalgamated Oils Limited.....	900 Lancaster Bldg., Calgary	Turner Valley
Anglo-Canadian Oil Company Limited ...	900 Lancaster Bldg., Calgary	Turner Valley
Argus Royalties Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Athabasca Utilities ¹	Lloydminster	
Atlantic Oil Company Limited.....	304 Toronto General Trusts Bldg., Calgary	Leduc
Bonnyville Gas Company Limited.....	Bonnyville	
British American Oil Company Limited ⁴ ..	Royal Bank Bldg., Toronto, Ont.	
Calmont Oils Limited	303 Toronto General Trusts Bldg., Calgary	Turner Valley and Leduc
Canadian Pacific Railway Company	Montreal, Quebec	Medicine Hat
Canadian Western Natural Gas Company Limited	215-6th Ave. W., Calgary	Brooks
Canadian Western Power & Fuel Co.Ltd.,	Redcliff	Redcliff
Castor Oils Limited	232 Lougheed Bldg., Calgary.....	Turner Valley
Continental Oil Co. of Canada Limited ...	407 Lancaster Bldg., Calgary	Turner Valley and Leduc
Davies Petroleums Limited	409 Lancaster Bldg., Calgary	Turner Valley
Department of National Defence	Suffield.....	Suffield
Dominion Glass Company Limited	1111 Beaver Hall Hill, Montreal,Quebec....	Medicine Hat
Drillers & Producers Ltd.	304 Toronto General Trusts Bldg.,Calgary	Turner Valley
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary.....	Turner Valley
Foothills Oil & Gas Company Limited.....	232 Lougheed Bldg., Calgary.....	Turner Valley
Franco Public Service Limited	Vermilion	Vermilion
Gunderson Brick & Coal Co. Ltd.	Redcliff	Redcliff
Home Oil Company Limited	226 Lougheed Bldg., Calgary.....	Turner Valley and Leduc
Imperial Oil Limited	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking Kinsella

Directory of Firms in the Natural Gas Industry — 1950 — Concluded

Name	Address	Location of field
Alberta — concluded		
Inland Gas & Oil Co. Ltd.	35 Dominion Bank Chamber, Edmonton.....	Fabyan
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Limited	Dominion Bank Bldg., Toronto, Ont.	Medicine Hat
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co.Ltd.	Box 100, Medicine Hat.....	Medicine Hat
New British Dominion Oil Co.Ltd.	213 Dominion Bank Bldg., Calgary.....	Turner Valley
Northwestern Utilities Limited	10124-104 St., Edmonton	Viking Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Que.	Medicine Hat
Pacific Petroleums Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley, Princess and Redwater
Redcliff Premier Brick Co.Ltd.	Redcliff	Redcliff
Redcliff Pressed Brick Co., Ltd.	Redcliff	Redcliff
Royalite Oil Company Limited ⁴	606-2nd St.W., Calgary.....	Turner Valley
St. Paul Utilities Ltd.	9656 Jasper Ave., Edmonton	St. Paul
Southwest Petroleum Co.Ltd.	300-9th Ave. W., Calgary	Turner Valley
Suffield Gas Supply.....	Suffield.....	Suffield
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Superior Oils Limited	509-8th Ave. W., Calgary.....	Lloydminster
Taylor Petroleum Operators Ltd.	627-8th Ave. W., Calgary	Leduc
Three Point Petroleums Limited.....	232 Lougheed Bldg., Calgary.....	Turner Valley
United Assets Limited	232 Lougheed Bldg., Calgary.....	Turner Valley
Valley Gas Company Limited ¹	Box L, Turner Valley.....	
Vulcan Brown Petroleums Limited	232 Lougheed Bldg., Calgary.....	Turner Valley
Wainwright Gas Company Limited ¹	36 Dominion Bank Bldg., Edmonton	
Western Petroleum Operators Limited	407 Lancaster Bldg., Calgary	Turner Valley
York Oils Limited	221A-8th Ave. W., Calgary.....	Turner Valley
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ont.	Fort Norman

GOVERNMENT OF CANADA

Government
Publications

THE CRUDE PETROLEUM AND
NATURAL GAS INDUSTRY
1951



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 4 volumes, as follows: **Volume I**—The Primary Industries, including mining, forestry and fisheries; **Volume II**—Manufacturing; **Volume III**—Construction; **Volume IV**—Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

Part I—Mineral Statistics

Part II—Forestry Statistics—Operations in the Woods

Part III—Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A—General Review of the Mining Industry, 50¢.
- B—The Gold Mining Industry, 50¢.
- C—The Silver-Lead-Zinc Mining Industry, 25¢.
- D—The Nickel-Copper Mining, Smelting and Refining Industry, 25¢.
- E—The Miscellaneous Metal Mining Industry, 25¢.
- F—The Non-ferrous Smelting and Refining Industry, 25¢.
- G—The Coal Mining Industry, \$1.00.
- H—The Crude Petroleum and Natural Gas Industry, 25¢.
- I—The Asbestos Mining Industry, 25¢.
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- L—The Peat Industry, 25¢.
- M—The Salt Industry, 25¢.
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- O—The Miscellaneous Non-Metal Mining Industry, 25¢.
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- R—The Lime Industry, 25¢.
- S—The Sand and Gravel Industry, 25¢.
- T—The Stone Industry, 25¢.
- U—Contract Diamond Drilling in the Mining Industry, 25¢.

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1951

(a) THE CRUDE PETROLEUM INDUSTRY

The Canadian production of crude petroleum in 1951 amounted to 47,615,534 barrels valued at \$116,655,238. These figures are not directly comparable with the 1950 figures of 29,043,788 barrels worth \$84,619,937 as the latter included natural gasoline amounting to 437,872 barrels valued at \$1,648,314.

Alberta accounted for 96 per cent of the total crude oil production in Canada. Output from the Redwater field was 23,177,607 barrels, more than twice the 1950 output of 10,746,472 barrels; Leduc-Woodbend increased to 13,743,118 barrels from 10,589,472 in 1950, and Turner Valley declined to 2,952,307 barrels from 3,344,007 in the preceding year. Among the new areas starting production in 1951 were Armena, Armisie, Bashaw, Bonnyville, Camrose, Duhamel, Glen Park, New Norway and Wizard Lake.

Crude oil production in Saskatchewan increased to 1,249,281 barrels from 1,041,098 barrels in 1950. The Lloydminster field contributed 515,173 barrels, and the Lone Rock field, 662,038 barrels.

Ontario's production was less than 200,000 barrels. The 227,449 barrels in the Northwest Territories was 22 per cent higher than in 1950. New Brunswick's output declined in 1951 to 15,551 barrels.

The 288 firms, operating 4,761 wells, reported employment of 3,185 persons, to whom \$11,518,781 were distributed for salaries and wages. Fuel cost \$707,954 and 10,809,193 k.w.h. of electricity were purchased for \$403,012. Process supplies were valued at \$2,099,527.

The general statistics refer only to firms which have producing wells, thus some oil prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, 1942-1951

Year	Number of operating wells	Number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of sales
			\$	\$	\$	\$
1942	2,253	1,972	3,648,965	971,504	235,959	16,876,123
1943	2,197	2,399	5,212,895	709,879	202,479	16,906,780
1944	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358
1945	2,222	1,968	3,898,662	748,351	117,708	14,121,921
1946	2,314	1,563	3,260,571	914,551	109,555	14,725,139
1947	2,296	1,296	3,055,108	759,635	116,957	19,543,301
1948	2,581	1,641	4,391,929	1,939,856	112,952	37,388,975
1949	3,166	2,142	6,304,601	599,562	386,145	61,091,128
1950	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945
1951	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729

Note. Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics of the Crude Petroleum Industry, by Provinces, 1951

	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Number of firms	89	2	49	147	1	288
Number of active wells ²	1,471	44	238	2,957	24	4,761 ³
Number of employees:						
Administration	27	14	15	395	2	453
Workmen	116	17	116	2,463	20	2,732
Total	143	31	131	2,858	22	3,185
Earnings:						
Administration	\$ 79,896	70,023	46,247	1,548,318	6,429	1,750,913
Workmen	\$ 167,321	44,921	373,294	9,124,332	58,000	9,767,868
Total	\$ 247,217	114,944	419,541	10,672,650	64,429	11,518,781
Gross selling value of products	\$ 677,905	26,478	1,694,489	113,566,970	399,887	116,365,729
Cost of fuel and electricity	\$ 43,599	—	59,166	1,000,580	7,621	1,110,966
Cost of process supplies used	\$ 29,810	5,000	13,603	2,051,114	—	2,099,527

1. Data for New Brunswick are included in the Natural Gas Industry.
2. Includes wells still drilling and dry wells completed in year specified.
3. Includes 27 in New Brunswick.
4. Includes 146 gas wells.

TABLE 3. Production of Crude Petroleum, by Provinces, 1950 and 1951

Province	1950		1951	
	Barrels	\$	Barrels	\$
New Brunswick	17,137	23,992	15,551	21,771
Ontario	250,655	892,000	197,171	677,905
Manitoba	—	—	10,698	26,478
Saskatchewan	1,041,098	1,134,797	1,249,281	1,659,045
Alberta	27,548,169 ¹	82,216,492	45,915,384	113,870,152
Northwest Territories	186,729	352,656	227,449	399,887
Canada	29,043,788	84,619,937	47,615,534	116,655,238

1. Includes natural gasoline.

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1949-1951

Field	1949	1950	1951	Field	1949	1950	1951
	barrels				barrels		
Acheson	—	51,393	918,158	Glen Park	—	—	22,443
Armena	—	—	16,856	Jumping Pound	—	362	41,936
Armistie	—	—	25,293	Leduc-Woodbend	9,688,784	10,589,472	13,743,118
Barrhead	4,223	599	35	Lloydminster	716,941	809,801	900,469
Bashaw	—	—	11,318	New Norway	—	—	20,664
Big Valley	—	10,215	155,580	Pincher Creek	2,319	—	24,677
Bonnyville	—	—	10,184	Princess	121,227	122,909	92,189
Campbell	4,685	60,012	60,436	Redwater	4,793,491	10,746,472	23,177,607
Camrose	—	—	46,222	Spring Coulee	—	4,604	13,901
Conrad	139,728	110,062	142,497	Stettler	15,725	246,198	606,068
Del Bonita	7,365	12,582	30,344	Taber	150,746	114,916	182,449
Dina	14,062	17,887	12,646	Turner Valley	3,826,543	3,344,007	2,952,307
Duhamel	—	—	184,582	Vermilion	86,933	49,041	44,557
Ellerslie	—	570	20,774	Wainwright	16,086	15,360	14,233
Excelsior	1,616	272,186	723,005	Whitemud	26,506	45,437	25,803
Golden Spike	85,081	292,873	640,972	Wizard Lake	—	—	190,595
Joseph Lake	35,858	168,855	727,936	Total crude	19,768,946	27,149,232	45,915,384

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1950 and 1951

Field	1950	1951	Field	1950	1951
	barrels			barrels	
Lloydminster	510,936	515,173	Maidstone	5,918	6,652
Lone Rock	496,750	662,038	Coleville	—	12,618
Dina	27,315	52,800	Other	179	—
			Total	1,041,098	1,249,281

TABLE 6. Production of Crude Petroleum in Ontario, by Fields, 1949-1951

Field	1949	1950	1951
	barrels		
Petrolia and Enniskillen	42,632	40,548	39,053
Oil Springs	25,692	25,310	26,576
Moore township	301	931	1,683
Sarnia township	141	124	144
Plympton township	—	130	—
Bothwell township and Thamesville	17,940	17,067	13,135
Dover, Romney, Raleigh, Tilbury and Brooke	3,762	4,720	3,607
Onondaga	67	37	46
Mosa township	18,580	15,494	14,935
Dunwich	1,929	1,766	1,793
Dawn and Euphemia	999	2,281	1,488
Warwick, Metcalfe and Adelaide townships	2,010	1,670	6,060
Sombra township	146,617	140,577	88,651
Total	260,670	250,635	197,171

TABLE 7. Production of Crude Petroleum, 1942-1951

Year	Barrels	\$	Year	Barrels	\$
1942	10,364,796	15,968,851	1947	7,692,492	19,575,682
1943	10,052,302	16,470,417	1948	12,286,660	37,418,895
1944	10,099,404	15,429,900	1949	21,305,348	61,118,490
1945	8,482,796	13,632,248	1950	29,043,788	84,619,937
1946	7,585,555	14,989,052	1951	47,615,534	116,655,238

TABLE 8. Production of Crude Petroleum, by Provinces, 1942-1951

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Barrels of 35 Imperial gallons						
1942	28,089	143,845	—	—	10,117,073	75,789	10,364,796
1943	24,530	132,492	—	—	9,601,530	293,750	10,052,302
1944	23,296	125,067	—	—	8,727,366	1,223,675	10,099,404
1945	30,140	113,325	—	14,374	7,979,786	345,171	8,482,796
1946	28,584	123,082	—	118,686	7,137,921	177,282	7,585,555
1947	23,129	131,295	—	540,117	6,770,477	227,474	7,692,492
1948	21,372	176,989	—	849,166	10,888,592	350,541	12,286,660
1949	19,544	260,670	—	782,188	20,087,418	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	227,449	47,615,534

TABLE 9. Production of Crude Petroleum, by Months, 1951

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Barrels of 35 Imperial gallons						
January	1,308	20,774	—	101,869	2,810,415	8,611	2,942,977
February	1,191	15,979	—	101,126	2,605,078	28,905	2,752,279
March	1,223	9,453	222	101,317	2,302,976	50,406	2,465,597
April	1,116	12,659	—	67,180	2,307,875	35,831	2,424,661
May	1,274	18,243	—	96,494	4,310,781	19,912	4,446,704
June	1,393	17,922	—	111,047	4,566,598	20,227	4,717,187
July	1,377	18,743	—	121,685	4,742,041	14,514	4,898,360
August	1,208	18,310	17	111,688	5,139,223	10,768	5,281,214
September	1,423	16,192	3,904	116,173	4,732,770	12,129	4,882,591
October	1,314	18,840	2,075	111,131	4,686,139	9,842	4,829,341
November	1,457	16,786	2,806	105,639	3,915,802	8,487	4,050,977
December	1,267	13,270	1,674	103,932	3,795,686	7,817	3,923,646
Total	15,551	197,171	10,698	1,249,281	45,915,384	227,449	47,615,534

TABLE 10. Production and Sales of Natural Gasoline in Alberta, 1949-1951

	1949	1950	1951
Production - by fields:			
Jumping pound	—	—	13,657
Leduc-Woodbend	—	15,022	43,597
Turner Valley	477,446	431,362	457,773
Total Alberta bbl.	477,446	446,384	515,027
Sales	471,770	437,872	510,408
Sales	\$ 1,596,860	1,648,314	1,663,854

Note. Natural gasoline is included in the crude petroleum figures up to but not including 1951.

TABLE 11. Petroleum Wells, by Provinces, 1949-1951

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Productive wells at beginning of year:							
1949	26	1,489	—	101	774	66	2,456
1950	26	1,518	—	138	1,243	64	2,989
1951	26	1,513	—	156	1,879	24	3,598
Number of productive wells drilled:							
1949	—	18	—	45	487	—	550
1950	—	22	—	30	760	—	812
1951	—	12	5	99	819	—	935
Number of wells abandoned:							
1949	—	49	—	8	18	2	77
1950	—	55	—	12	124	—	191
1951	—	58	3	17	86	—	164
Number of dry wells drilled:							
1949	—	25	—	7	100	—	132
1950	—	29	—	4	123	—	156
1951	1	22	5	35	262	—	325
Number of productive wells in operation at end of year:							
1949	26	1,518	—	138	1,243	64	2,989
1950	26	1,513	—	156	1,879	64	3,638
1951	26	1,471	2	238	2,582	24	4,343

TABLE 12. Employees¹ and Their Earnings in the Crude Petroleum Industry, 1950 and 1951

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1950						\$	\$	\$
Ontario	11	7	134	—	152	41,884	179,814	221,698
Saskatchewan	9	4	96	3	112	37,593	263,940	301,533
Alberta	254	46	1,793	39	2,132	1,140,446	6,125,862	7,266,308
Northwest Territories	—	—	20	1	21	—	59,000	59,000
Canada	274	57	2,043	43	2,417	1,219,923	6,628,616	7,848,539
1951								
Ontario	20	7	116	—	143	79,896	167,321	247,217
Manitoba	14	—	17	—	31	70,023	44,921	114,944
Saskatchewan	10	5	115	1	131	46,247	373,294	419,541
Alberta	321	74	2,416	47	2,858	1,548,318	9,124,332	10,672,650
Northwest Territories	2	—	20	—	22	6,429	58,000	64,429
Canada	367	86	2,684	48	3,185	1,750,913	9,767,868	11,518,781

1. Employment in New Brunswick included in Natural Gas Industry.

TABLE 13. Workmen, by Months, in the Crude Petroleum Industry, 1950 and 1951 (Number on pay-roll on the last work day of each month)

Month	1950			1951		
	Male	Female	Total	Male	Female	Total
January	1,881	30	1,911	2,415	41	2,456
February	1,865	30	1,895	2,406	41	2,447
March	1,852	31	1,883	2,403	40	2,443
April	1,789	31	1,820	2,356	43	2,399
May	1,977	42	2,019	2,555	44	2,599
June	2,028	44	2,072	2,614	54	2,668
July	2,132	45	2,177	2,811	56	2,867
August	2,145	47	2,192	2,856	57	2,913
September	2,105	47	2,152	2,755	59	2,814
October	2,134	52	2,186	2,825	45	2,870
November	2,166	44	2,210	2,938	45	2,983
December	2,122	46	2,168	2,918	42	2,960
Average	2,043	43	2,086	2,684	48	2,732

TABLE 14. Imports of Petroleum, Asphalt, and Their Products, 1950 and 1951

Item	1950		1951	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not	cwt. 425,285	966,246	331,410	823,429
Asphalt oil for paving	gal. 81,592	9,609	4,320	5,672
Oil, imported by miners or mining companies, for the concentration of ores or metals	gal. 164,621	139,759	202,609	215,708
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	2,752,700	200,505,509	2,914,911	231,035,772
Crude petroleum, n.o.p.	gal. 416,545	32,166	37,063	3,419
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah., when imported by oil refiners to be refined	gal. 51,237,531	3,458,423	33,360,906	2,108,638
Fuel oil, ex-warehoused, for ships' stores	gal. 10,695,294	442,869	14,258,112	679,982
Aviation gasoline	gal. 50,670,780	10,450,332	54,983,367	11,147,501
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p.	gal. 15,722,711	1,855,875	18,971,434	2,321,653
Engine distillate, .8017 specific gravity or heavier at 60° Fah.	gal. 166,010	23,506	338,948	47,844
Gasoline, lighter than .8236 specific gravity at 60° Fah.	gal. 167,981,073	26,300,584	126,080,301	19,944,275
Natural casinghead, compression or absorp- tion gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° Fah., when im- ported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	gal. 27,810,732	3,008,562	21,501,902	2,304,054

TABLE 14. Imports of Petroleum, Asphalt, and Their Products. 1950 and 1951 — Concluded

Item	1950		1951	
	Quantity	Value	Quantity	Value
		\$		\$
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon..... gal.	9,233,616	1,770,521	7,115,193	1,383,875
Lubricating oils, 25 cents and over gal.	8,476,712	3,544,547	21,783,786	8,562,202
Oils, mineral, n.o.p. gal.	1,245,142	1,254,455	1,846,267	2,762,520
Stove oil, No.1 fuel oil gal.	84,244,844	9,340,251	63,442,486	7,334,815
Light fuel oils, Nos. 2 and 3 gal.	142,824,141	14,169,757	166,419,260	18,115,943
Heavy fuel oils, Nos. 4, 5 and 6 gal.	260,643,818	14,806,731	329,280,546	20,858,781
Diesel fuel gal.	71,225,969	7,147,308	115,536,027	11,399,048
Tractor fuel gal.	11,180	1,713	1,557	304
Petroleum greases and lubricating greases, n.o.p. lb.	12,484,089	1,056,738	13,593,731	1,424,212
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes..... —	—	625,346	—	674,167
Paraffin wax lb.	29,793,532	2,209,701	37,292,220	2,815,827
Paraffin wax candles..... lb.	186,251	61,842	123,691	51,137
Products of petroleum, n.o.p. gal.	2,707,131	1,355,302	4,297,263	2,227,005
Liquefied petroleum gases lb.	155,476,354	2,249,203	188,849,211	3,135,382
Naphtha, including solvent naphtha gal.	5,453,297	1,176,666	11,584,975	2,510,588

TABLE 15. Exports of Petroleum and Its Products, 1950 and 1951

Item	1950		1951	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude gal.	—	—	11,962,316	806,729
Oil, coal and kerosene, refined gal.	147,973	33,365	5,946	1,573
Gasoline and naphtha gal.	123,860	31,124	212,772	47,853
Fuel oil gal.	640,429	88,121	215,194	33,017
Lubricating oil gal.	63,861	53,967	106,324	186,525
Oil, mineral, n.o.p. gal.	418,766	52,777	69,204	10,317
Wax, mineral cwt.	7,536	39,819	105,986	952,370

TABLE 16. Canadian Crude Petroleum Supply, 1937-1951

Year	Sales by Canadian producers	Imports	Apparent supply
barrels of 35 Imperial gallons			
1937	2,943,750	38,914,717	41,858,467
1938	6,966,084	35,101,712	42,067,796
1939	7,826,301	37,094,823	44,921,124
1940	8,590,978	42,623,484	51,214,462
1941	10,133,838	46,791,026	56,924,864
1942	10,364,796	44,120,212	54,485,008
1943	10,052,302	49,753,782	59,806,084
1944	10,099,404	57,047,826	67,147,230
1945	8,482,796	56,806,214	65,289,010
1946	7,585,555	63,407,461	70,993,016
1947	7,692,492	69,076,848	76,769,340
1948	12,286,660	77,633,674	89,920,334
1949	21,305,348	75,680,992	96,986,340
1950	29,043,788	80,124,402	109,168,190
1951	47,615,534	83,895,619 ¹	131,511,153

Note: Exports have been very small and may be neglected.

1. Imports, less 341,780 barrels exported in 1951.

TABLE 17. Receipts of Crude Petroleum by Canadian Refineries, 1947-1951

Year	Maritimes and Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia	Canada
barrels					
1947:					
Canadian	—	130,084	6,762,881	—	6,892,965
Imported	28,450,754	27,566,525	7,297,068	6,513,567	69,827,914
Total	28,450,754	27,696,609	14,059,949	6,513,567	76,720,879
1948:					
Canadian	—	176,262	11,762,299	—	11,938,561
Imported	36,481,290	28,433,238	5,118,073	7,303,538	77,336,139
Total	36,481,290	28,609,500	16,880,372	7,303,538	89,274,700
1949:					
Canadian	—	258,371	20,251,860	—	20,510,231
Imported	41,644,735	25,583,887	932,396	7,287,887	75,448,905
Total	41,644,735	25,842,258	21,184,256	7,287,887	95,959,136
1950:					
Canadian	—	248,584	26,069,133	—	26,317,717
Imported	48,677,917	25,050,077	230,878	7,832,059	81,790,931
Total	48,677,917	25,298,661	26,300,011	7,832,059	108,108,648
1951:					
Canadian	—	13,855,078	33,330,847	—	47,185,925
Imported	59,054,655	15,943,314	90,516	8,051,088	83,139,573
Total	59,054,655	29,798,392	33,421,363	8,051,088	130,325,498

TABLE 18. World Crude Oil Production, 1950-1952
(From "World Petroleum")

	1950	1951	1952		1950	1951	1952
Thousands of barrels daily							
North America:				Europe — concluded:			
United States	5,407.0	6,149.0	6,252.4	Yugoslavia	2.6	3.2	3.2
Canada	78.3	130.5	166.4	Italy	0.2	0.4	1.0
Mexico	199.0	210.2	211.8	Total (excluding U.S.S.R.)	177.5	214.9	213.7
Total	5,684.3	6,489.7	6,630.6	U.S.S.R.	760.0	842.0	940.0
				Total	937.5	1,056.9	1,153.7
South America:				Near & Middle East:			
Venezuela	1,498.0	1,704.6	1,796.6	Iran	665.5	350.0	31.5
Columbia	91.0	105.3	107.2	Saudi Arabia	546.7	761.5	821.8
Argentina	64.0	66.9	67.0	Iraq	136.2	174.6	372.5
Trinidad	56.5	57.1	57.3	Kuwait	345.0	563.0	750.1
Peru	41.2	44.0	44.6	Bahrein	30.0	30.0	30.0
Ecuador	7.2	7.4	7.8	Qatar	33.7	49.6	67.3
Bolivia	1.7	1.4	1.5	Egypt	45.3	44.7	45.2
Cuba	0.3	0.3	0.3	Turkey	0.2	0.4	0.5
Brazil	0.8	1.9	2.2	Total	1,802.6	1,973.8	2,118.9
Chile	1.7	2.0	2.0				
Total	1,762.4	1,990.9	2,086.3	Far East & Oceania:			
Western Hemisphere	7,446.7	8,480.6	8,716.9	Indonesia	132.5	151.7	168.7
				British Borneo	84.8	103.0	104.8
Europe:				New Guinea	4.8	4.8	4.6
Romania	88.5	100.0	90.0	India	5.3	5.3	5.2
Austria	28.4	44.0	43.5	Pakistan	3.5	3.6	4.1
Germany	21.6	26.5	33.4	Burma	1.6	2.2	2.2
Hungary	11.5	10.5	9.5	Japan	5.6	6.4	5.8
Poland	3.3	3.7	3.8	China	2.0	2.0	2.0
Netherlands	13.4	13.6	13.7	Total	240.1	279.0	297.4
Albania	3.0	3.0	3.0	Eastern Hemisphere	2,980.2	3,309.7	3,570.0
France	2.5	5.6	7.0	World Total	10,426.9	11,790.3	12,286.9
French Morocco	0.8	1.6	2.0				
United Kingdom	0.9	0.9	1.1				
Czechoslovakia	0.8	1.9	2.5				

Crude Petroleum Producers, 1951

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd	Moncton	Stoney Creek
Ontario¹:		
Austin, Gordon	Bothwell	Orford
Barnes, A.G.	Petrolia	Petrolia and Enniskillen
Becher Oil and Gas Limited	25 King St. W., Toronto	Brooke
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Canadian Oil Companies Limited	204 Richmond St. W., Toronto 1	Petrolia and Enniskillen
Chandler, H. & C.	16712 Vaughan Ave., Detroit 19, Mich., U.S.A.	Petrolia and Enniskillen
Colchester Oil & Gas Co.	Thamesville	Zone
Cole, W.J.	Petrolia	Petrolia and Enniskillen
Comfort, Alex.	102 Inshes Ave., Chatham	Dover
Corey Oil Company Limited	Petrolia	Petrolia and Enniskillen
Demaray & Nichols	Oil Springs	
Dennis, Mrs. L.	Oil Springs	Petrolia and Enniskillen
Dillon, T.	Leamington	Petrolia and Enniskillen
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F.H.	Petrolia	Petrolia and Enniskillen
Fairbank, J.H., Estate	Petrolia	Petrolia and Enniskillen
Hamlin, F.G.	Petrolia	Petrolia and Enniskillen
Heal, A.A.	Watford	Warwick and Adelaide
High Grade Natural Gas Co. Ltd.	215 King St. W., Chatham	Dover
Holmes, E.B.	Bothwell	Zone
Howlett, Fred W., & Sons Ltd.	Petrolia	Petrolia and Enniskillen
Imperial Oil Ltd.	56 Church St., Toronto	Sombra, Euphemia, Mosa and Moore
Irving, Robert	Petrolia	Petrolia and Enniskillen
Irwin, Foster	Petrolia	Petrolia and Enniskillen
Johnson, E.	Petrolia	Petrolia and Enniskillen
Kells, E.E.	Petrolia	Petrolia and Enniskillen
Kelly, J.E., Estate	Petrolia	Petrolia and Enniskillen
Kerr, J.J., Co. Ltd	Petrolia	Petrolia and Enniskillen
Kodyen, E.A.	Bothwell	Zone
Lather, D.C.	Thamesville	Euphemia
Lennan, Lloyd A.	Petrolia	Petrolia and Enniskillen
Lewis & Lewis	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
Marcus, A.	Bothwell	Zone
Marcus, L.	Wallacetown	Dunwick
McCutcheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McMullen, R. ²	Manitowaning	
McRoberts & Marsh	Bothwell	Zone
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, R.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H.M.	Oil Springs	Petrolia and Enniskillen
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Pope, H.O.	Bothwell	Zone

1. Producer of 300 barrels or more during the year.

2. Driller.

Crude Petroleum Producers, 1951 — Continued

Name	Address	Location of field
Ontario — concluded:		
Pope, Wm.	Bothwell	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover East and Raleigh
Ramsay, C. W. ²	Manitowaning	—
Saroline Oil Co.	Petrolia	Petrolia and Enniskillen
Shain, Viola	Petrolia	Petrolia and Enniskillen
Slack, C. M.	Petrolia	Petrolia and Enniskillen
Stanley & McCrie	Bothwell	Camden Gore
Sutherland, B. M.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Warwick, Joseph	Oil Springs	Petrolia and Enniskillen
Warwick, Preston	Bothwell	Orford
Williamson, M. J.	Petrolia	Petrolia and Enniskillen
Wilson-Sullivan Development Co. ¹	112 S. Christina St., Sarnia	Warwick
Winnett, J. W. G.	418½ Talbot St, London	Zone and Orford
Woodward, Wm.	Oil Springs	Petrolia and Enniskillen
Yerks, Frank	Petrolia	Petrolia and Enniskillen
Manitoba:		
California Standard Company	Medical Arts Bldg., Calgary, Alta.	Virden
Saskatchewan:		
Albercan Oil Corporation	940-8th Ave., W., Calgary, Alta.	Lone Rock
Alminster Oils Ltd.	Lloydminster	Lloydminster
American Northland Oil Co. Ltd.	8035-102 St., Edmonton, Alta.	Lloydminster
Bata Petroleum Limited	310 Broder Bldg., Regina	Unity
Cardinal Petroleum Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Command Oils Limited	122-8th Ave., W., Calgary, Alta.	Lone Rock
Community Petroleum Ltd.	402 Northern Crown Bldg., Regina	Lloydminster
Croft Syndicate	Lloydminster	Lloydminster
Donna Well No. 1	152-1st Ave. S., Saskatoon	Lloydminster
Fair Gas & Oil Limited	Lloydminster	Lloydminster
Franco Castle Syndicate	678 Howe St., Vancouver, B.C.	Lloydminster
Franco Oils Limited	Vermilion	Lone Rock
Hale, W.	Calgary, Alta.	Lone Rock
Highwood Development Limited	614 Lancaster Bldg., Calgary, Alta.	Lloydminster
Humboldt Petroleum Syndicate	Humboldt	Lloydminster
Husky Oil & Refining Ltd.	531-8th Avenue W., Calgary, Alta.	Lloydminster
Ibstone Petroleum Limited	North Battleford	Lloydminster
Karels & Federspiel Ltd.	McCallum-Hill Bldg., Regina	Lloydminster
Karels & Rennie	Swift Current	Lloydminster
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Lloyd Petroleum Drillers Limited	152 First Ave., S., Saskatoon	Lone Rock
Lloyd Rock Oils Limited	Marsden	Marsden
Malone, J. C.	712 McCallum-Hill Bldg., Regina	Lloydminster
Manners No. 2	475 Howe St, Vancouver, B.C.	Lloydminster
Marshall Petroleum Limited	400 Burns Bldg., Calgary, Alta.	Lloydminster
Mid-West Holdings Limited	152 First Ave., S., Saskatoon	Lloydminster
Mills, C., Estate	Lloydminster	Lloydminster

1. Producer and driller.

2. Driller.

Crude Petroleum Producers, 1951 - Continued

Name	Address	Location of field
Saskatchewan — concluded:		
Mitton Oils	10520—127th St., Edmonton, Alta.	Lloydminster
Mowat & Babb Ltd.	Lloydminster	Lloydminster
North Canadian Oils Ltd.	614 Lancaster Bldg., Calgary, Alta.	Lloydminster
Northeast Syndicate	509—8th Ave. W., Calgary, Alta.	Lloydminster
Picardy Syndicate	Lloydminster	Lloydminster
Republic Oils Ltd.	Lloydminster	Lloydminster
Rogers Alberta Syndicate	North Battleford	Lloydminster
Rogers Bailey Syndicate	North Battleford	Lloydminster
Saskatoon Petroleums Limited	Medical Co-op Bldg., Saskatoon	Lloydminster
Tri-West Petroleums Ltd.	569 Howe St., Vancouver, B.C.	Lloydminster
Vanlloyd Oils Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Vesta Syndicate	Lloydminster	Lloydminster
Wilton Oils Limited	Lloydminster	Lloydminster
Withers-Groat Syndicate	Tisdale	Lloydminster
Alberta:		
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Oil Leaseholds Ltd.	100 Adelaide St. W., Toronto, Ont.	Lloydminster
Alberta Oil Producers Ltd.	800 Hall Bldg., Vancouver, B.C.	Vermilion
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Alberta Southern Oils Ltd.	332—7th Ave. W., Calgary	Vermilion
Alberta Washington Petroleums Limited ..	118 McFarland Bldg., Lethbridge	Del Bonita
Allenbee Petroleums Limited	569 Howe St., Vancouver, B.C.	Leduc
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	513—8th Ave. W., Calgary	Redwater
American Leduc Petroleums Ltd.	10168—100th St., Edmonton	Bashaw
Anaconda Oil Company Limited	620—7th Ave. W., Calgary	Redwater
Anglo-Canadian Oil Company Limited	900 Lancaster Bldg., Calgary	Turner Valley and Elk Point
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary, Alta.	Turner Valley
Bailey A.G., Co. Limited	328a—8th Avenue W., Calgary	Leduc
Barons Oil Limited	305 Foothills Bldg., Calgary	Barons
Bay Petroleum Corporation	Box 957, Denver, Colorado, U.S.A.	Leduc
Bishop Oil Company	Redwater	Redwater
British American Oil Company Limited ¹ ..	King & Young Sts., Toronto, Ont.	
California Standard Company	200 Greyhound Bldg., Calgary	Taber, Conrad and Princess
Calmar West Oils Ltd.	420 Empire Bldg., Edmonton	Leduc
Calmont Oils Limited	906 Lancaster Bldg., Calgary	Leduc and Turner Valley
Calwin-Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Campbell, R., & Associates	1718 W. 5th Ave., Vancouver, B.C.	Leduc
Canadian Atlantic Oil Company Ltd.	700 Petroleum Bldg., Calgary	Leduc
Canadian Delhi Oil Ltd.	112 Bank of Commerce Bldg., Calgary	Vermilion
Canadian Fina Oil Limited	203 Wilson Electric Bldg., Calgary	Bulwark
Canadian Gulf Oil Company	Tulsa 2, Okla., U.S.A.	Pincher Creek, Redwater and Stettler
Canadian Superior Oil of California Ltd. ..	627—8th Ave. W., Calgary	Excelsior
Cannar Oils Limited	360 McGill St., Montreal, Quebec	Vermilion
Can-Tex Drilling Co. Ltd.	609 Lancaster Bldg., Calgary	Stettler

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1951 - Continued

Name	Address	Location of field
Alberta — continued:		
Castle Petroleum Syndicate No. 1	678 Howe St., Vancouver, B.C.	Lloydminster
Central Leduc Oils Limited	359 Palliser Hotel, Calgary	Leduc and Woodbend
Century Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Command Oils Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commoil Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Drilling Company Limited ²	4 Clarence Blk., Calgary	
Commonwealth Petroleum Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Consumers Exploration Company Limited	211 Ave. D North, Saskatoon, Sask	Princess
Crest Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
D. & D. Royalties Limited	303 Toronto General Trusts Bldg., Calgary	Turner Valley
Davies Petroleum Limited	409 Lancaster Bldg., Calgary	Turner Valley
Dodson, Jim	Kitscoty	Blackfoot
East Crest Oil Company Limited	212 Grain Exchange Bldg., Calgary	Turner Valley
Edmonton-Wainwright Oils, Ltd.	8 McDougall Court, Edmonton	Wainwright
Excelsior Refineries Limited	Lloydminster	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Exterior Petroleum Ltd.	Kitscoty	Lloydminster
Federal Oils Syndicate No. 1	605 Lancaster Bldg., Calgary	Princess
Federated Petroleum Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Flier's Oil Limited	81 St. George's Crescent, Edmonton	Leduc
Foothills Oil & Gas Company Limited ...	232 Lougheed Bldg., Calgary	Turner Valley
Gas & Oil Products Ltd.	301 Lancaster Bldg., Calgary	Leduc
Gas & Oil Refineries Limited ¹	301 Lancaster Bldg., Calgary	
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
General Petroleum of Canada Limited ...	509-8th Ave. W., Calgary	Leduc-Woodbend
Godfrey-Lehman Lloydminster Syndicate	303 Lancaster Bldg., Calgary	Lloydminster
Granleduc Oils (Alberta) Ltd.	227 Tegner Bldg., Edmonton	Lloydminster
Granville Oils Limited	122-8th Ave. W., Calgary	Turner Valley
Great West Exploration Limited	213 Dominion Bank Bldg., Calgary	Stettler
High Crest Oils Limited	609 Herald Bldg., Calgary	Campbell
Harris Wells Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Hargal Oils Ltd.	800 Hall Bldg., Vancouver, B.C.	Leduc
Holly Petroleum Limited	132-22nd St., Saskatoon, Sask.	Lloydminster
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley, Leduc and Redwater
Imperial Oil Limited	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Independent Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
Kamalta Well Operators Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
L.B. Oils Limited	Municipal Airport, Edmonton	Leduc and Woodbend
Leduc Calmar Oil Co. Ltd.	403 Lancaster Bldg., Calgary	Leduc and Woodbend
Leduc Consolidated Oils Limited	403 Lancaster Bldg., Calgary	Leduc and Woodbend
Legion Oils Limited	513 Herald Bldg., Calgary	Redwater
Major Distributors Limited	407 Lancaster Bldg., Calgary	Leduc
Major National Oils Limited	407 Lancaster Bldg., Calgary	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Marjack Oils Limited	101st Street, Edmonton	Leduc

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1951 - Continued

Name	Address	Location of field
Alberta - continued:		
Maryland Petroleums Limited	300-8th Ave. W., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
McGregor Mitchell Oils Ltd.	11536 Jasper Ave., Edmonton	Leduc and Woodbend
Mercury Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miller Bros. Drilling & Development Ltd.	10439-82nd Ave., Edmonton	Campbell
Miller-Pyrez Petroleums Ltd.	10439-82nd Ave., Edmonton	Ellerslie
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Model Oils Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Model Spooner Syndicate	717 Lancaster Bldg., Calgary	Turner Valley
Naco Limited	9 Barron Bldg., Calgary	Drumheller
Nassau Investments Ltd. & T.A. Sparks	401 Somerset Bldg., Winnipeg, Man.	Lloydminster
National Petroleum Corp. Ltd.	401 Leeson-Lineham Bldg., Calgary	Turner Valley and Del Bonita
New British Dominion Oil Co. Ltd.	213 Dominion Bank Bldg., Calgary	Turner Valley
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
Northwell Operators Limited	900 Lancaster Bldg., Calgary	Redwater and Woodbend
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Redwater
Oil City Petroleum Ltd.	10304-117th St., Edmonton	Leduc
Okalta Oils Limited	Renfrew Bldg., Calgary	Turner Valley and Leduc
Pacific Petroleums Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley, Princess and Redwater
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary	Lloydminster
Pan Western Oils Limited	328A Eighth Ave. W., Calgary	Leduc
Paragon Oils Limited	118 McFarland Bldg., Lethbridge	Del Bonita
Paul Guthrie Development Limited	10460-111th St., Edmonton	Woodbend
Petromine Explorations & Finance Co. Ltd.	9 Toronto St., Toronto, Ont.	Lloydminster
Ponder Oils Ltd.	402 Bamlett Bldg., Calgary	Leduc and Woodbend
Premium Petroleum Syndicate	3220 W. 4th Ave., Vancouver, B.C.	Dina
R.W. Development Company Ltd.	400 Lancaster Bldg., Calgary	Volmer
Rebus Oil Co. Ltd.	12650 Fort Road, Edmonton	Lloydminster
Redwater Leaseholds Ltd.	307-8th Ave. W., Calgary	Campbell
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary	Turner Valley
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	717 Lancaster Bldg., Calgary	Turner Valley
Richfield Petroleum Limited	1002 Lancaster Bldg., Calgary	Leduc
Ross Petroleums Limited	Bank of Nova Scotia Bldg., Edmonton	Leduc
Ross and Sons Oil Limited	10123-112th St., Edmonton	Redwater
Royal Canadian Oils Limited	403 Lancaster Bldg., Calgary	Turner Valley and Lloydminster
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	239-6th Ave. W., Calgary	Turner Valley
Schermerhorn Oil Corporation	714 First National Bldg., Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Oils Limited	624-9th Ave. W., Calgary	Leduc
Security Freehold Petroleums Ltd.	Nanton Bldg., Winnipeg, Man.	Leduc
Share Oils Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Shaw Alberta No. 3 Syndicate	Lloydminster	Lloydminster
Shell Oil Co. of Canada Ltd.	25 Adelaide St., Toronto, Ont.	Jumping Pound
Sioux Petroleums Limited	208 Walter Scott Bldg., Moose Jaw, Sask.	Vermilion
Sacony-Vacuum Exploration Co.	Barron Bldg., Calgary	Duhamel
Southwest Petroleum Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley

1. In addition to operating and drilling wells in the Turner Valley field, this company operates an absorption plant.

Crude Petroleum Producers, 1951 — Concluded

Name	Address	Location of field
Alberta — concluded:		
Standard Pacific Petroleum Limited	200 Greyhound Bldg., Calgary	South Princess
Sterling Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Sun Oil Company	Barron Bldg., Calgary	New Norway
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Superior Oils of Canada Ltd.	509—8th Avenue, W., Calgary	Lloydminster and Joseph Lake
Taylor Petroleum Operators Ltd.	627—8th Ave. W., Calgary	Leduc and Stettler
Terra Petroleum Ltd.	10753—86th Ave., Edmonton	Ellerslie
Texaco Exploration Company	809—4th Street West, Calgary	Redwater and Calmar
Tor American Oils Limited	1520 Mountain St., Montreal, Que.	Bonnyville
Trinidad Leaseholds (Canada) Ltd.	184 Bay St., Toronto, Ont.	Leduc
Tri-West Petroleum Ltd.	204—569 Howe St., Vancouver, B.C.	Lloydminster
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Vanpeg Royalties Well No. 1	301 Lancaster Bldg., Calgary	Turner Valley
Vermilion Consolidated Oils Limited	Vermilion	Vermilion
Wain-Con Oils Limited	112 Thomas Bldg., Edmonton	Wainwright
Wainwright Refineries Ltd.	Wainwright	Wainwright
Wakefield, E. F.	307 Union National Bank Bldg., Wichita, Kansas, U.S.A.	Leduc and Woodbend
Western Developments Ltd.	24 Michael Bldg., Calgary	Lloydminster and Vermilion
Western Leaseholds Ltd.	24 Michael Bldg., Calgary	Redwater
Western Mineral Properties of Honolulu Oil Corporation, Barnsdall Oil Company, Seaboard Company of Delaware and Los Nietos Company	735—8th Ave. W., Calgary	Redwater
Western Petroleum Operators Limited ...	407 Lancaster Bldg., Calgary	Turner Valley
Westside Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
York Oils Limited	221A—8th Ave. W., Calgary	Turner Valley
Yorkton Investors Syndicate	Yorkton, Sask.	Lloydminster
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1951 amounted to 79,460,667 thousand cubic feet valued at \$7,158,920. These figures include the natural gas sold for domestic, industrial and other uses, and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices, thus conforming with the practice of the Petroleum and Natural Gas Commissioner for Ontario. In Alberta, the total output, less field waste and meter differences, was valued at a nominal well head price.

In Alberta, the Turner Valley field was the chief producer at 30,592,235 M cubic feet and the

Viking-Kinsella field was next with 19,288,478 M cubic feet. Output increased in Ontario to 8,442,842 M cubic feet, and in Saskatchewan to 860,082 M cubic feet but decreased in New Brunswick to 261,579 M cubic feet.

The industry, in 1951, employed 2,658 persons to whom \$6,491,234 were paid in salaries and wages. Fuel cost \$95,343 and 1,863,770 k.w.h. of electricity cost \$30,958. Process supplies used were valued at \$48,583.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry.

TABLE 19. Principal Statistics for the Natural Gas Industry, 1942-1951

Year	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1942	212	3,566	1,940	2,826,811	92,489	12,313	11,356,350
1943	191	3,558	1,882	2,846,514	181,841	7,899	11,552,696
1944	211	3,621	1,810	2,885,654	188,003	13,149	9,772,357
1945	218	3,748	1,890	2,993,091	227,514	18,298	10,860,594
1946	219	3,825	1,655	2,491,361	226,980	21,457	10,588,175
1947	186	3,799	1,784	3,057,249	220,344	19,975	12,333,332
1948	175	3,833	1,831	2,918,941	62,580	4,485	14,689,737
1949	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512
1950	196	3,991	2,618	5,703,524	130,504	55,676	6,444,215
1951	201	3,985	2,658	6,491,234	126,301	48,583	6,691,223

1. See footnote to Table 20.

TABLE 20. Principal Statistics, by Provinces, 1950 and 1951

Province	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1950							
New Brunswick	2	42	70	153,516	7,336	—	238,657
Ontario	167	3,746	1,384	2,879,891	41,166	7,386	3,203,795
Saskatchewan	2	14	11	18,615	993	—	71,564
Alberta	25	189	1,153	2,651,502	81,009	48,290	2,930,199
Canada	196	3,991	2,618	5,703,524	130,504	55,676	6,444,215
1951							
New Brunswick	2	40	66	162,038	6,598	—	216,083
Ontario	170	3,713	1,386	3,235,971	40,100	2,997	3,377,137
Saskatchewan	2	19	13	30,651	1,945	—	102,396
Alberta	27	213	1,193	3,062,574	77,658	45,586	2,995,607
Canada	201	3,985	2,658	6,491,234	126,301	48,583	6,691,223

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

TABLE 21. Production of Natural Gas, 1942-1951

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1942	45,697,359	13,301,655	1947	52,656,567	13,429,558
1943	44,276,216	13,159,418	1948	58,603,269	15,632,507
1944	45,067,158	11,422,541	1949	60,457,177	11,620,302
1945	48,411,585	12,309,564	1950	67,822,230	6,433,041
1946	47,900,484	12,165,050	1951	79,460,667	7,158,920

TABLE 22. Production of Natural Gas, by Provinces, 1942-1951

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	M cubic feet					
1942	619,380	10,476,770	117,124	34,482,585	1,500	45,697,359
1943	675,029	7,914,408	116,201	35,569,078	1,500	44,276,216
1944	702,464	7,082,508	119,116	37,161,570	1,500	45,067,158
1945	653,230	7,199,970	163,824	40,393,061	1,500	48,411,585
1946	541,010	7,051,309	209,569	40,097,096	1,500	47,900,484
1947	489,810	7,785,921	274,193	44,106,643	—	52,656,567
1948	420,352	8,590,429	477,271	48,965,217	150,000	58,603,269
1949	375,035	8,024,213	812,916	51,179,779	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	19,333	79,460,667

TABLE 23. Production¹ of Natural Gas, by Provinces, 1950 and 1951

Province	1950		1951	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	361,877	214,665	261,579	194,312
Ontario	8,009,488	3,203,795	8,442,842	3,377,137
Saskatchewan	813,554	71,564	860,082	86,008
Alberta	58,603,976	2,930,199	69,876,831	3,493,842
Northwest Territories	33,335	12,818	19,333	7,621
Canada	67,822,230	6,433,041	79,460,667	7,158,920

1. Sold and used by producers.

TABLE 24. Production¹ of Natural Gas, by Months and by Provinces, 1951

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
	M cu. ft.				
January	29,712	773,045	95,842	8,134,934	9,035,144
February	26,931	714,908	100,845	6,946,512	7,790,807
March	28,758	587,163	99,607	7,425,546	8,142,685
April	24,455	801,450	77,455	5,071,960	5,976,931
May	25,606	773,732	46,716	4,282,755	5,130,420
June	22,302	707,451	35,155	4,126,374	4,892,893
July	17,451	637,751	38,179	3,678,411	4,373,403
August	14,245	627,999	52,152	4,173,681	4,869,688
September	17,726	702,033	65,399	4,670,439	5,457,208
October	17,200	976,345	67,334	5,912,141	6,974,631
November	16,265	538,847	82,672	7,013,485	7,652,880
December	20,928	602,118	98,726	8,440,593	9,163,977
Total	261,579	8,442,842	860,082	69,876,831	79,460,667

1. Sales and consumption by producers.

2. Includes 19,333 M cu. ft. in the Northwest Territories.

TABLE 25. Production of Natural Gas in Alberta, by Fields, 1951

Field	M cu. ft.	Field	M cu. ft.
Acheson	1,100	Medicine Hat	3,567,764
Athabasca	101,762	Pouce Coupe	268,061
Barrhead	200	Princess	26,419
Bonnyville	69,499	Redcliff	1,752,046
Bow Island	1,232,451	Red Coulee	4,056
Brooks	189,639	Redwater	109,953
Campbell	631	St. Paul	149,652
Camrose	6,124	Stettler	17,798
Del Bonita	1,800	Suffield	176,058
Elk Point	208,013	Tilley	25,847
Foremost	225,110	Turner Valley	30,592,235
Golden Spike	5,561	Vermilion	823,484
Joseph Lake	58,316	Viking-Kinsella	19,288,478
Jumping Pound	4,435,792	Wainwright	337,383
Leduc-Woodbend	5,379,167	Whitemud	1,265
Lloydminster	744,388	Other areas	76,779
		Total	69,876,831

Note: Does not include waste gas and meter differences in field, amounting to 15.5 million M cu. ft. in 1951.

TABLE 26. Production of Natural Gas in Ontario, by Fields, 1950 and 1951

County	Field	1950	1951
		M cu. ft.	
Middlesex and Elgin	Mosald	—	184,810
Essex	Kingsville	1,761,648	1,986,211
	Tilbury		
	Dover	139,121	180,231
Kent	Electric	—	44,806
	D'Clute	231,950	268,281
	Chatham and Camden Gore	262,913	226,453
	Zone	439,299	261,070
	Dawn	4,959	942
Lambton	Kimball	2,212,905	2,396,834
	Becher	157,756	36,859
Elgin	Bayham and Malahide	64,184	25,583
Haldimand			
Lincoln	Haldimand	1,584,476	1,682,314
Wentworth			
Brant	Brant	46,849	22,047
Norfolk	Norfolk	384,580	400,383
Oxford	Brownsville	43,542	50,119
Welland	Welland	548,808	549,399
Wells in surface drift	Harwich and Howard	6,500	6,500
Private Wells		120,000	120,000
Total produced		8,009,488	8,442,842

TABLE 27. Number of Gas Wells, by Provinces, 1949-1951

	New Brunswick	Ontario	Saskatchewan	Alberta	Canada
Productive wells at beginning of year	1949 37	3,629	18	147	3,831
	1950 38	3,712	13	162	3,925
	1951 39	3,746	14	187	3,986
Number of productive wells drilled	1949 1	227	—	19	247
	1950 1	212	1	30	244
	1951 —	178	1	13	192
Number of dry wells drilled	1949 2	104	—	—	106
	1950 2	97	—	—	99
	1951 —	119	2	7	128
Number of wells abandoned	1949 —	197	5	4	206
	1950 —	121	—	5	126
	1951 —	164	—	4	168
Productive wells at end of year	1949 38	3,712	13	162	3,925
	1950 39	3,746	14	187	3,986
	1951 39	3,713	15	196	3,963

TABLE 28. Natural Gas Pipeline Mileage, 1950 and 1951

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1950	1951	1950	1951	1950	1951	1950	1951
New Brunswick	20	20	65	65	36	36	73	73
Ontario	2,199	2,203	2,024	2,050	3,763	3,726	2,221	2,334
Saskatchewan	24	44	14	7	34	29	11	5
Alberta	1,050	1,194	1,159	1,340	3,401	3,826	1,718	1,805
Canada	3,293	3,461	3,262	3,462	7,234	7,617	4,023	4,217

TABLE 29. Sales¹ of Manufactured and Natural Gas, 1950 and 1951

	1950			1951		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
Manufactured gas		M. cu. ft.	\$		M. cu. ft.	\$
Domestic	539,364	14,499,352	18,205,192	537,543	14,587,802	18,473,587
House heating	6,714	2,314,322	1,804,858	7,203	2,460,905	1,977,681
Industrial	4,412	4,325,510	3,737,047	4,341	4,052,784	3,596,356
Commercial	29,928	5,864,220	5,683,000	29,903	7,023,620	6,185,901
Miscellaneous	79	26,997	37,347	41	15,245	32,457
Total	580,497	27,030,401	29,467,444	579,031	28,140,356	30,265,982
Natural gas						
Domestic	219,944	26,486,948	13,378,162	228,905	28,442,376	14,808,492
Industrial	1,797	17,896,661	4,067,603	1,824	21,868,514	4,896,502
Commercial	20,776	13,517,487	4,133,355	20,853	14,605,649	4,442,500
Miscellaneous	476	197,194	59,291	493	139,714	72,034
Total	242,993	58,098,290	21,638,411	252,075	65,056,253	24,219,528
Total — All Gas	823,490	85,128,691	51,105,855	831,106	93,196,609	54,485,510

1. Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 30. Sales¹ of Natural Gas, by Areas, 1950 and 1951

	1950		1951	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M. cu. ft.	\$	M. cu. ft.	\$
Eastern Canada				
Domestic	6,640,096	7,577,834	7,276,780	8,398,413
Industrial	1,549,713	1,637,336	1,701,824	1,785,166
Commercial	1,189,665	1,279,491	1,257,450	1,363,761
Miscellaneous ²	52,921	44,872	84,009	67,174
Total	9,432,395	10,539,533	10,320,063	11,614,514
Western Canada				
Domestic	19,846,852	5,800,328	21,165,596	6,410,079
Industrial	16,346,948	2,430,267	20,166,330	3,111,336
Commercial	12,327,822	2,853,864	13,348,199	3,078,739
Miscellaneous ²	144,273	14,419	55,705	4,860
Total	48,665,895	11,098,878	54,735,830	12,605,014
Canada — Total				
Domestic	26,486,948	13,378,162	28,442,376	14,808,492
Industrial	17,896,661	4,067,603	21,868,514	4,896,502
Commercial	13,517,487	4,133,355	14,605,649	4,442,500
Miscellaneous ²	197,194	59,291	139,714	72,034
Total	58,098,290	21,638,411	65,056,253	24,219,528

1. See footnote to table 29.

2. Includes some free customers.

TABLE 31. Employees and Their Earnings in the Natural Gas Industry, 1950 and 1951

—	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1950						\$	\$	\$
New Brunswick.....	—	—	69	1	70	—	153,516	153,516
Ontario	207	166	1,009	2	1,384	668,493	2,211,398	2,879,891
Saskatchewan	2	—	9	—	11	2,300	16,315	18,615
Alberta	161	44	934	14	1,153	546,248	2,105,254	2,651,502
Canada	370	210	2,021	17	2,618	1,217,041	4,486,483	5,703,524
1951								
New Brunswick	—	—	64	2	66	—	162,038	162,038
Ontario	204	178	1,002	2	1,386	942,052	2,293,919	3,235,971
Saskatchewan	3	—	10	—	13	8,175	22,476	30,651
Alberta	169	48	957	19	1,193	620,385	2,442,189	3,062,574
Canada	376	226	2,033	23	2,658	1,570,612	4,920,622	6,491,234

TABLE 32. Number of Workmen in the Natural Gas Industry, by months, 1950 and 1951
(On the last work-day of each month)

Month	1950			1951		
	Male	Female	Total	Male	Female	Total
January	1,431	14	1,445	1,479	20	1,499
February	1,420	15	1,435	1,485	13	1,498
March	1,479	15	1,494	1,496	15	1,511
April	1,771	15	1,786	1,756	23	1,779
May	2,165	17	2,182	2,108	22	2,130
June	2,291	18	2,309	2,331	25	2,356
July	2,379	18	2,397	2,372	27	2,399
August	2,403	19	2,422	2,400	27	2,427
September	2,268	19	2,287	2,375	27	2,402
October	2,247	22	2,269	2,346	29	2,375
November	2,166	22	2,188	2,110	29	2,139
December	1,716	18	1,734	1,646	25	1,671
Average	2,021	17	2,038	2,033	23	2,056

Directory of Firms in the Natural Gas Industry - 1951

1. Distributing only. 3. Drilling only.
2. Drilling and producing. 4. Using or selling gas from absorption plant.

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
Acme Gas Syndicate	Ridgeway	Bertie
Bain, Lyons & Werner	Fisherville	Cayuga South
B. & D. Development Co.	Niagara Falls	Willoughby
Barnhart, Mr. & Mrs. E.	Stevensville	Bertie
Barrick, R., & H. Heighton	R.R. 2, Wainfleet	Wainfleet
Bates, Norman	Port Colborne	Humberstone
Bates, N. and G.	Port Colborne	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	Walpole
Beaver Oil & Gas Syndicate	67 Yonge St., Toronto	
Belmont Gas Co. ¹	Belmont	Humberstone
Benner, Alvin and Jack	Sherkston	
Benner, K. W.	Fisherville	Rainham
Benner & Tinney	Fisherville	Rainham and Walpole
Bertie Township Gas & Oil Syndicate	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Brindley & Harper	Bradford, Pa., U.S.A.	Brantford
Broadway Gas Syndicate	Cayuga	Walpole
Buck, C. S.	Port Rowan	Walsingham South
Burchell Natural Gas and Oil Syndicate	Listowel	Woodhouse
Canada Cement Company Limited	Montreal, Quebec	Wainfleet
Canfield Natural Gas Company Limited	Dunnville	Cayuga North

Directory of Firms in the Natural Gas Industry — 1951 — Continued

Name	Address	Location of field
Ontario — continued		
Caughell Bros.	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Seneca Gas Syndicate	Cayuga	Seneca
Chambers, Dr. H. W.	Chippawa	Willoughby
Chippawa Creek Gas Syndicate	Drawer 200, Fort Erie	Bertie and Willoughby
Chira Gas Syndicate ¹	Brownsville	
Clover Mat Syndicate	Fort Erie	Woodhouse
Commonwealth Oil & Gas Syndicate	Port Colborne	Humberstone
Consolidated West Petroleum Limited	50 King St. W., Toronto	Romney
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Daubarie, A. ²	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Syndicate	Fort Erie	Bertie
Dell-Burn Gas Limited ²	Dunnville	Various
DeMers, N. E.	Petrolia	Enniskillen
Dickout Bros.	Lowbanks	Moulton
Dickout, Larry	Lowbanks	Sherbrooke
Dominion Natural Gas Company, Limited ² ..	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Norfolk, Haldimand, Welland, Essex and Kent
Dover Gas Syndicate	Drawer 200, Fort Erie	Woodhouse
Earleejune Fish Co.	Port Maitland	Dunn
Edward, Fred, Gas Project	Petrolia	Enniskillen
Elk Development Syndicate	Bradford, Pa., U.S.A.	Humberstone
Emerson, H. L.	Dunnville	Moulton, Canboro, Gainsboro, Cayuga South and Wainfleet
Erie Prospecting Syndicate	Ridgeway	Bertie
Essex Gas & Oil Limited	Windsor	Malden
Falls View Gas Syndicate	Fort Erie	Stamford
Fisherville Gas Co.	Fisherville	Rainham
Fitzgerald, W. J.	South Cayuga	Cayuga South
Fleet Manufacturing Limited	Fort Erie	Bertie
Fletcher & Messner	Selkirk	Rainham
Fletcher, Eva	Glanford Station	Binbrook
Fonthill Ridgeville Gas Co. Ltd. ¹	Fonthill	
Fox, E. S.	Welland	Thorold
Garrison Gas Syndicate	Fort Erie	Bertie
George, Mrs. A.	Fort Erie	Bertie
George, G.	Fort Erie	Bertie
Glennay, E.	Dunnville	Canboro
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited ...	Grimsby	Caistor, Gainsboro and Canboro
Hagersville Quarries Limited	Hagersville	Walpole
Haldon, L.	Chippawa	Willoughby
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Haldimand Gas Syndicate	Cayuga	Rainham and Cayuga North
Highbank Oil Limited	Chatham	Raleigh

Directory of Firms in the Natural Gas Industry – 1951 – Continued

Name	Address	Location of field
Ontario – continued:		
High Grade Natural Gas Company Ltd.	Chatham	Dover
Hock, Albert	Wainfleet	Wainfleet
Horton, A.	Port Colborne	Humberstone
Houk Syndicate	Dunnville	Moulton
House, C. C.	Stevensville	Bertie
Ideal Gas Syndicate	Fisherville	Rainham
Imperial Oil Ltd.	56 Church St., Toronto	Moore, Sombra, Raleigh, and Dover
Jackson, P. L.	Dunnville	Moulton, Walpole, Canboro Cayuga North, Rainham Dunn, and Cayuga South
Jasperson, Bon Estate	Kingsville	Gosfield South and Romney
Jenkins, S. S.	Fort Erie	Bertie and Townsend
Kerr, Robert	York	Senaca
Kin-Mar Syndicate ²	Fort Erie	Bertie and Willoughby
Kinsey, L. & O.	Lowbanks	Sherbrooke
Kramer, Harry	Port Colborne	Humberstone
Lake Erie Gas Syndicate	54 Hambly Ave., Toronto	Rainham
Lake Shore Gas & Oil Syndicate	Ridgeway	Bertie
Langan, K.	Welland	Thorold
Lapp & Arendt	Stevensville	Bertie
Leamington, Town of ¹	Leamington	
Lincoln Natural Gas Co. Ltd.	Malton	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
Locators Oils Limited	24 King St. W., Toronto	Middleton and Cayuga South
London, City of, Gas Company ¹	London	
Lunenfeld, S.	Fort Erie	Bertie
Lymburner Bros. and Webber ²	Dunnville	Cayuga North, Rainham and Walpole
MacAnn Well Syndicate	Fort Erie	Bertie
Maguire, J.	Clifford	Walpole
Makaton, John	Fort Erie	Bertie
Manock Gas Syndicate	Fort Erie	Bertie
Maple Leaf Gas Syndicate	Ridgeway	Bertie
McIntyre & Hawkins	Welland	Humberstone
McKéchnie, S., Estate	Dunnville	Walpole
Medina Gas Syndicate	Welland	Crowland
Mehlenbacher, L. B., Gas Syndicate	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul	Fort Erie	Willoughby
Minor & Luck	Barrie	Sherbrooke
Mitchell, S. T.	Dunnville	Dunn
Mohawk Gas & Oil Syndicate Limited	421 Main St. E., Hamilton	Oneida and Walpole
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Morningstar, Roy	Ridgeway	Bertie
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Nevada Gas Syndicate	Fort Erie	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich	

Directory of Firms in the Natural Gas Industry - 1951 - Continued

Name	Address	Location of field
Ontario - continued:		
North Cayuga Gas Co.	Cayuga	Cayuga North
North Shore Gas Co.	Selkirk	Rainham
Noyes, L. A.	Stevensville	Willoughby
Paisco, J. ¹	Wainfleet	
Patterson & Culver	Dunnville	Dunnville
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Petrol Oil & Gas Co. Ltd.	414 Bay St., Toronto	Oneida, Onondaga and Tuscarora
Port Colborne-Welland Gas Co. ²	Port Colborne	Senaca, Cayuga North, Oneida and Onondaga
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover
Provincial Gas Company Limited	Fort Erie	Humberstone, Willoughby, Bertie and Crowland
Purcifer, R.	Stevensville	Humberstone
Queenston Gas & Oil Co. Ltd.	Fort Erie	Willoughby, Walsingham South, Oneida and Woodhouse
Raydis Oil & Gas Company Limited	118 King St. W., Chatham	Norfolk
Reicheld, F. W. ²	Jarvis	Walpole
Ridgemount Gas Syndicate	Ridgeway	Bertie
Riverside Syndicate	Welland	Welland
Rocks Mill Oil & Gas Syndicate	London	Norwich S.
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Frank	Ridgeway	Bertie
Round, Mrs. J. S.	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruegg, J. A.	Ridgeway	Bertie
Salina Gas Company Limited	317 Queen St., Chatham	Tilbury East
Sandusk Gas Syndicate	Fisherville	Walpole
Sarnia Oil & Gas Co. Ltd.	302 Bay St., Toronto	Enniskillen
Schweyer, G. ³	Dunnville	
Shank & Snively	Selkirk	Oneida
Sherbrooke Gas Syndicate	Dunnville	Sherbrooke
Sherk & Carrothers	Sherkston	Humberstone
Sherk & Learn	Sherkston	Humberstone
Sherk, Bert	Stevensville	Bertie
Sherk, Perry M.	Sherkston	Humberstone
Sherkston Gas Syndicate	Sherkston	Humberstone
Shurr, Ivan	Cayuga	Rainham
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Humberstone
Sider, Ralph ²	Ridgeway	Moulton and Bertie
Smith & Ehde	Lowbanks	Moulton and Dunn
Smith, H.	373 Oak Ave., Windsor	Romney
Southern, J.	Welland	Crowland
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Star Gas Syndicate	Ridgeway	Crowland, Humberstone and Bertie
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Streets, C. & O. W.	Fort Erie	Bertie
Sundy Gas Wells	Dunnville	Canboro
Sunnyside Gas Syndicate	Port Colborne	Humberstone

Directory of Firms in the Natural Gas Industry — 1951 — Continued

Name	Address	Location of field
Ontario — concluded:		
Swayze, H.	Hagersville	Oneida
T. H. & G. Syndicate	Fort Erie	Bertie
Tanke, E.	393 Delaware Ave., Buffalo, N.Y., U.S.A.	Thorold
Till Gas Syndicate	Tillsonburg	Walpole
Tri-County Gas & Oil Co. Ltd.	Tillsonburg	Norwich South
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited ...	Chatham	Tilbury, D'Clute, Dover, Dawn, Camden Gore, Zone, Haldimand and Chatham
Valencourt Gas Syndicate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Victory Gas Syndicate	Huron & Erie Bldg., London	Windham
Walpole Gas Syndicate	Cayuga	Walpole, Cayuga North and Senaca
Walter Gas Syndicate Ltd.	Simcoe	Woodhouse, Townsend, Walsingham South and Walpole
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Warren, G. ³	Tillsonburg	
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
Wilkinson Gas Syndicate	Fort Erie	Thorold
Willoughby Gas Syndicate	Chippawa	Humberstone
Wood, Ray	Chatham	Townsend
Zielski, E. & M.	Port Colborne	Wainfleet
Zuba, Andrew	Stevensville	Willoughby
Saskatchewan:		
Bata Petroleum Ltd.	310 Broder Bldg., Regina	Unity
Franco Oils Limited	Vermilion	Lone Rock
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Northern Gas Distributors Ltd.	Kamsack	Kamsack
Alberta:		
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Anglo-Canadian Oil Company Limited	900 Lancaster Bldg., Calgary	Turner Valley
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Athabasca Utilities ¹	Lloydminster	
Bonnyville Gas Company Limited	Bonnyville	Bonnyville
British American Oil Company Limited ⁴	Royal Bank Bldg., Toronto, Ontario	
Calmont Oils Limited	303 Toronto General Trusts Bldg., Calgary	Turner Valley and Leduc
Canadian Pacific Railway Company	Montreal, Quebec	Medicine Hat
Canadian Western Natural Gas Company Limited	215-6th Ave. W., Calgary	Brooks
Canadian Western Power & Fuel Co. Ltd.	Redcliff	Redcliff
Coastal Oils Limited	232 Loughheed Bldg., Calgary	Turner Valley
Continental Oil Co. of Canada Limited ...	407 Lancaster Bldg., Calgary	Turner Valley and Leduc
Department of National Defence	Suffield	Suffield
Dominion Glass Company Limited	1111 Beaver Hall Hill, Montreal, Quebec ...	Medicine Hat

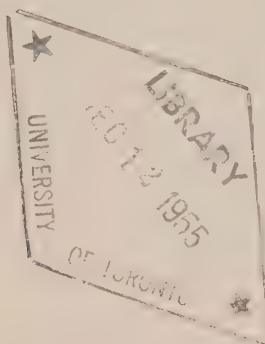
Directory of Firms in the Natural Gas Industry — 1951 — Concluded

Name	Address	Location of field
Alberta — concluded:		
East Crest Oil Company Limited	5 Barron Bldg., Calgary	Turner Valley
Elk Point Gas Ltd.	Elk Point	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Company Limited	232 Lougheed Bldg., Calgary	Turner Valley
Franco Public Service Limited	Vermilion	Vermilion
Gunderson Brick & Coal Co. Ltd.	Redcliff	Redcliff
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley and Leduc
Imperial Oil Limited	56 Church St., Toronto, Ontario	Turner Valley, Leduc, Wood- bend, Redwater, Lloyd- minster and Viking Kinsella
Inland Gas & Oil Co. Ltd.	35 Dominion Bank Chamber, Edmonton	Fabyan
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 100, Medicine Hat	Medicine Hat
Northwell Operators Limited	900 Lancaster Bldg., Calgary	Redwater
Northwestern Utilities Limited	10124-104 St., Edmonton	Viking Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Quebec	Medicine Hat
Redcliff Premier Brick Co. Ltd.	Redcliff	Redcliff
Redcliff Pressed Brick Co., Ltd.	Redcliff	Redcliff
Royalite Oil Company Limited ⁴	606-2nd St. W., Calgary	Turner Valley
St. Paul Utilities Ltd.	9656 Jasper Ave., Edmonton	St. Paul
Shell Oil Company of Canada Ltd.	25 Adelaide St., Toronto, Ontario	Jumping Pound
Southwest Petroleum Company	232 Lougheed Bldg., Calgary	Turner Valley
Suffield Gas Supply	Suffield	Suffield
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Superior Oils of Canada Ltd.	509-8th Ave. W., Calgary	Lloydminster
Taylor Petroleum Operators Ltd.	627-8th Ave. W., Calgary	Leduc
Tilley Gas Co. Ltd.	Tilley	Tilley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Valley Gas Company Limited ¹	Box L, Turner Valley	
Wainwright Gas Company Limited ¹	36 Dominion Bank Bldg., Edmonton	
Western Petroleum Operators Limited	407 Lancaster Bldg., Calgary	Turner Valley
York Oils Limited	221A-8th Ave. W., Calgary	Turner Valley
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ontario	Fort Norman



CANADA

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1952



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

Part I — Mineral Statistics

Part II — Forestry Statistics — Operations in the Woods

Part III — Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A — General Review of the Mining Industry, 50¢
- B — The Gold Mining Industry, 50¢
- C — The Silver-Lead-Zinc Mining Industry, 25¢
- D — The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E — The Miscellaneous Metal Mining Industry, 25¢
- F — The Non-ferrous Smelting and Refining Industry, 25¢
- G — The Coal Mining Industry, \$1.00
- H — The Crude Petroleum and Natural Gas Industry, 25¢
- I — The Asbestos Mining Industry, 25¢
- J — The Feldspar and Quartz Mining Industry, 25¢
- K — The Gypsum Industry, 25¢
- L — The Peat Industry, 25¢
- M — The Salt Industry, 25¢
- N — The Talc and Soapstone Industry, 25¢
- O — The Miscellaneous Non-metal Mining Industry, 25¢
- P — The Cement Manufacturing Industry, 25¢
- Q — The Clay and Clay Products Industry, 25¢
- R — The Lime Industry, 25¢
- S — The Sand and Gravel Industry, 25¢
- T — The Stone Industry, 25¢
- U — Contract Drilling in the Mining Industry, 25¢

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1952

(a) THE CRUDE PETROLEUM INDUSTRY

During 1952 the production of crude petroleum in Canada amounted to 61,237,322 barrels valued at \$143,038,212 compared with 47,615,534 barrels worth \$116,655,238 in 1951.

Alberta accounted for 96 per cent of Canada's production of crude oil. The fields in this province which exceeded a million barrels in output in 1952 were:- Acheson, Armena-Camrose, Golden Spike, Leduc-Woodbend, Lloydminster, Redwater, Turner Valley and Wizard Lake. Among the new producing areas were:- Bonnie Glen, Malmo, North Big Valley, South Camrose and Skaro.

Crude oil output in Saskatchewan in 1952 totalled 1,696,505 barrels compared with 1,249,281 barrels in the previous year. Manitoba produced

104,826 barrels, all from the southwest portion of the province. Output in the Northwest Territories increased to 314,217 barrels. Shipments by producers in Ontario declined slightly to 191,814 barrels and there was also a decrease in production from the New Brunswick wells to 14,237 barrels.

The 271 producing firms, operating a total of 5,833 wells, reported employment of 3,702 persons, to whom \$14,610,821 were distributed for salaries and wages. Fuel cost \$1,321,521 and 14,840,738 k.w.h of electricity were purchased for \$590,273. Process supplies were valued at \$2,502,154.

The general statistics refer only to firms which have producing wells, thus some oil prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, 1943-1952

Year	Number of operating wells	Number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of sales
			\$	\$	\$	\$
1943	2,197	2,399	5,212,895	709,879	202,479	16,906,780
1944	2,264	2,547	5,814,676	1,000,484	242,311	15,816,358
1945	2,222	1,968	3,898,662	748,351	117,708	14,121,921
1946	2,314	1,563	3,260,571	914,551	109,555	14,725,139
1947	2,296	1,296	3,055,108	759,635	116,957	19,543,301
1948	2,581	1,641	4,391,929	1,939,856	112,952	37,388,975
1949	3,166	2,142	6,304,601	599,562	386,145	61,091,128
1950	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945
1951	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729
1952	5,833	3,702	14,610,821	1,911,794	2,502,154	139,596,851

Note. Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics of the Crude Petroleum Industry, by Provinces¹, 1952

	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Number of firms	87	5	36	142	1	271
Number of active wells ²	1,381	51	504	3,845	26	5,833 ^{3,4}
Number of employees:						
Administration	38	7	86	524	1	656
Workmen	104	10	138	2,774	20	3,046
Total	142	17	224	3,298	21	3,702
Earnings:						
Administration	\$ 124,433	\$ 45,118	\$ 305,090	\$ 2,040,036	\$ 5,554	\$ 2,520,231
Workmen	\$ 175,295	\$ 24,984	\$ 648,915	\$ 11,183,396	\$ 58,000	\$ 12,090,590
Total	\$ 299,728	\$ 70,102	\$ 954,005	\$ 13,223,432	\$ 63,554	\$ 14,610,821
Gross value of sales	\$ 641,037	\$ 201,895	\$ 2,005,084	\$ 136,448,184	\$ 300,651	\$ 139,596,851
Cost of fuel and electricity	\$ 43,608	—	\$ 43,567	\$ 1,814,921	\$ 9,698	\$ 1,911,794
Cost of process supplies used	\$ 142,619	\$ 38,740	\$ 5,888	\$ 2,314,907	—	\$ 2,502,154

1. Data for New Brunswick are included in the Natural Gas Industry.
2. Includes wells still drilling and dry wells completed in year specified.
3. Includes 26 in New Brunswick.
4. includes 190 gas wells.

TABLE 3. Production of Crude Petroleum, by Provinces, 1951 and 1952

Province	1951		1952	
	Barrels	\$	Barrels	\$
New Brunswick	15,551	21,771	14,237	19,932
Ontario	197,171	677,905	191,814	641,037
Manitoba	10,698	26,478	104,826	229,299
Saskatchewan	1,249,281	1,659,045	1,696,505	2,256,352
Alberta	45,915,384	113,870,152	58,915,723	139,512,432
Northwest Territories	227,449	399,887	314,217	379,160
Canada	47,615,534	116,655,238	61,237,322	143,038,212

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1950-1952

Field	1950	1951	1952	Field	1950	1951	1952
	Barrels				Barrels		
Acheson	51,393	918,158	2,016,855	Joseph Lake	168,855	727,936	998,268
Alliance	—	7,271	16,181	Jumping Pound	362	41,936	67,257
Armata-Camrose	—	63,078	1,307,526	Leduc-Woodbend	10,589,466	13,743,118	17,845,212
Armistie	—	25,293	103,594	Lloydminster	809,801	900,469	1,057,354
Barrhead	599	35	—	Malmö	—	—	270,474
Barons	1,406	22,788	33,693	Namoo	—	3,231	41,333
Bashaw	—	11,318	56,493	New Norway	—	20,664	287,988
Baxter Lake	—	2,449	20,125	North Big Valley	—	—	74,446
Big Valley	10,215	155,580	657,875	Pincher Creek	—	24,677	51
Bon Accord	9,629	14,717	83,526	Princess	122,909	92,189	72,970
Bonnie Glen	—	—	743,490	Redwater	10,745,538	23,177,607	23,975,842
Bonnyville	—	10,184	20,871	South Camrose	—	—	30,799
Campbell	60,012	60,436	45,650	Skaro	—	—	7,026
Clive	—	3,349	33,452	Spring Coulee	4,604	9,297	7,271
Conrad	110,062	142,497	135,037	Stettler	246,198	606,068	607,078
Del Bonita	12,582	30,344	41,205	Taber	114,916	182,449	81,464
Dina	17,887	12,646	19,694	Turner Valley	3,344,007	2,952,307	2,655,007
Drumheller	—	15,058	175,688	Vermilion	49,041	44,557	39,058
Duhamel	—	184,582	347,140	Wainwright	15,360	14,238	27,850
Ellerslie	570	20,774	44,975	Whitemud	45,437	25,803	20,010
Excelsior	272,186	723,005	933,644	Wizard Lake	—	190,595	1,696,077
Fenn	—	9,648	343,766	Other areas	52,384	61,618	310,586
Glen Park	—	22,443	282,719				
Golden Spike	292,873	640,972	1,279,103	Total crude	27,148,292	45,915,384	58,915,723

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1951 and 1952

Field	1951	1952	Field	1951	1952
	Barrels			Barrels	
Buffalo-Coulee	—	1,825	Hoosier	—	4,440
Coleville	12,618	275,010	Lloydminster	515,173	779,340
Dina-Marsden	52,800	47,234	Lone Rock	662,038	547,069
Driver-Eureka	—	3,108	Maidstone	6,652	12,487
Eastend	—	1,481	Wapella	—	4,804
Eatonio	—	373			
Fosterton	—	19,334	Total	1,249,281	1,696,505

TABLE 6. Production of Crude Petroleum in Ontario, by Fields, 1950-1952

Field	1950	1951	1952
Barrels			
Petrolia and Enniskillen	40,548	39,053	36,330
Oil Springs	25,310	26,576	26,957
Moore township	931	1,683	1,744
Sarnia township	124	144	147
Plympton township	130	—	—
Bothwell township and Thamesville	17,067	13,135	12,035
Dover, Romney, Raleigh, Tilbury and Brooke	4,720	3,607	4,298
Onondaga	37	46	16
Mosa township	15,494	14,935	15,925
Dunwich	1,766	1,793	1,923
Dawn, Euphemia and Harwich	2,281	1,488	3,070
Warwick, Metcalfe and Aldborough townships	1,670	6,060	13,388
Sombra township	140,577	88,651	75,981
Total	250,655	197,171	191,814

TABLE 7. Production of Crude Petroleum, 1943-1952

Year	Barrels	\$	Year	Barrels	\$
1943	10,052,302	16,470,417	1948	12,286,660	37,418,895
1944	10,099,404	15,429,900	1949	21,305,348	61,118,490
1945	8,482,796	13,632,248	1950	29,043,788	34,619,937
1946	7,585,555	14,989,052	1951	47,615,534	116,655,238
1947	7,692,492	19,575,682	1952	61,237,322	143,038,212

TABLE 8. Production of Crude Petroleum, by Provinces, 1943-1952

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Barrels of 35 Imperial gallons							
1943	24,530	132,492	—	—	9,601,530	293,750	10,052,302
1944	23,296	125,067	—	—	8,727,366	1,223,675	10,099,404
1945	30,140	113,325	—	14,374	7,979,786	345,171	8,482,796
1946	28,584	123,082	—	118,686	7,137,921	177,282	7,585,555
1947	23,129	131,295	—	540,117	6,770,477	227,474	7,692,492
1948	21,372	176,989	—	849,166	10,888,592	350,541	12,286,660
1949	19,544	260,670	—	782,188	20,087,418	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	314,217	61,237,322

TABLE 9. Production of Crude Petroleum, by Months, 1952

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Barrels of 35 Imperial gallons							
January	1,122	16,369	1,570	108,285	3,837,499	14,779	3,979,624
February	938	16,544	1,998	122,100	3,231,539	36,401	3,409,520
March	1,086	15,000	2,324	126,651	3,434,403	42,551	3,622,015
April	1,271	14,991	1,620	124,877	3,729,327	46,291	3,918,377
May	1,336	17,399	3,089	138,636	5,400,261	26,469	5,587,190
June	1,275	17,208	2,823	129,455	5,230,810	17,895	5,399,466
July	1,134	17,533	3,802	139,921	5,646,408	24,336	5,833,134
August	1,023	15,209	5,713	165,930	5,779,663	31,676	5,999,214
September	1,252	15,786	11,939	161,559	5,739,546	17,840	5,947,922
October	1,241	16,140	17,468	149,992	5,937,967	23,178	6,145,986
November	1,301	14,520	23,334	155,059	5,367,828	16,533	5,578,575
December	1,258	15,115	29,146	174,040	5,580,472	16,268	5,816,299
Total	14,237	191,814	104,826	1,696,505	58,915,723	314,217	61,237,322

TABLE 10. Production and Sales of Natural Gasoline in Alberta, 1950-1952

		1950	1951	1952
Production - by fields:				
Jumping Pound	bbl.	—	13,657	19,583
Leduc-Woodbend	bbl.	15,022	43,597	67,422
Turner Valley	bbl.	431,362	457,773	492,868
Total Alberta	bbl.	446,384	515,027	579,873
Sales	"	437,872	510,408	569,537
Sales	\$	1,648,314	1,663,854	1,662,514

Note. Natural gasoline is included in the crude petroleum figures for 1950 but excluded thereafter.

TABLE 11. Petroleum Wells, by Provinces, 1950-1952

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
				Number			
Productive wells at beginning of year:							
1950.....	26	1,518	—	138	1,243	64	2,989
1951.....	26	1,513	—	156	1,879	24	3,598
1952.....	26	1,471	2	238	2,582	24	4,343
Number of productive wells drilled:							
1950.....	—	22	—	30	760	—	812
1951.....	—	12	5	99	819	—	935
1952.....	—	27	38	185	893	2	1,145
Number of wells abandoned:							
1950.....	—	55	—	12	124	—	191
1951.....	—	58	3	17	86	—	164
1952.....	—	64	7	33	103	—	207
Number of dry wells drilled:							
1950.....	—	29	—	4	123	—	156
1951.....	1	22	5	35	262	—	325
1952.....	—	36	17	102	356	—	511
Number of productive wells in operation at end of year:							
1950.....	26	1,513	—	156	1,879	64	3,638
1951.....	26	1,477	2	238	2,582	24	4,343
1952.....	26	1,381	33	390	3,372	26	5,228

TABLE 12. Employees¹ and Their Earnings in the Crude Petroleum Industry, 1951 and 1952

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1951						\$	\$	\$
Ontario.....	20	7	116	—	143	79,896	167,321	247,217
Manitoba	14	—	17	—	31	70,023	44,921	114,944
Saskatchewan	10	5	115	1	131	46,247	373,294	419,541
Alberta.....	321	74	2,416	47	2,858	1,548,318	9,124,332	10,672,650
Northwest Territories	2	—	20	—	22	6,429	58,000	64,429
Canada	367	86	2,684	48	3,185	1,750,913	9,767,868	11,518,781
1952								
Ontario.....	29	9	104	—	142	124,433	175,295	299,728
Manitoba.....	6	1	10	—	17	45,118	24,984	70,102
Saskatchewan	62	24	137	1	224	305,090	648,915	954,005
Alberta.....	439	85	2,747	27	3,298	2,040,036	11,183,396	13,223,432
Northwest Territories.....	1	—	20	—	21	5,554	58,000	63,554
Canada	537	119	3,018	28	3,702	2,520,231	12,090,590	14,610,821

1. Employment in New Brunswick included in Natural Gas Industry.

TABLE 13. Workmen, by Months, in the Crude Petroleum Industry, 1951 and 1952 (Number on pay-roll on the last work day of each month)

Month	1951			1952		
	Male	Female	Total	Male	Female	Total
	Number					
January	2,415	41	2,456	2,944	24	2,968
February	2,406	41	2,447	2,901	26	2,927
March	2,403	40	2,443	2,922	27	2,949
April	2,356	43	2,399	2,907	28	2,935
May	2,555	44	2,599	3,054	26	3,080
June	2,614	54	2,668	3,072	27	3,099
July	2,811	56	2,867	3,124	29	3,153
August	2,856	57	2,913	3,067	29	3,096
September	2,755	59	2,814	2,962	28	2,990
October	2,825	45	2,870	3,073	27	3,100
November	2,938	45	2,983	3,012	28	3,040
December	2,918	42	2,960	3,006	28	3,034
Average	2,684	48	2,732	3,018	28	3,046

TABLE 14. Process Supplies Used in the Petroleum Industry, 1951 and 1952

	1951							
	Bentonite		Barite		Acid		Other	Total
	tons	\$	tons	\$	gals.	\$	\$	\$
Ontario	—	—	—	—	18,660	10,124	19,686	29,810
Manitoba	85	4,430	10	570	—	—	—	5,000
Saskatchewan	165	11,315	—	—	500	100	2,188	13,603
Alberta	5,680	653,602	544	54,292	285,723	184,079	1,159,141	2,051,114
Canada	5,930	669,347	554	54,862	304,883	194,303	1,181,015	2,099,527
	1952							
	Bentonite		Barite		Acid		Other	Total
	tons	\$	tons	\$	gals.	\$	\$	\$
Ontario	11	84	—	—	32,020	18,813	123,722	142,619
Manitoba	385	38,340	—	—	500	400	—	38,740
Saskatchewan	50	4,850	—	—	—	—	1,038	5,888
Alberta	9,642	771,267	415	31,140	97,062	79,892	1,432,608	2,314,907
Canada	10,088	814,541	415	31,140	129,582	99,105	1,557,368	2,502,154

TABLE 15. Imports of Petroleum, Asphalt, and Their Products, 1951 and 1952

Item	1951		1952	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not..... cwt.	331,410	823,429	219,641	646,570
Asphalt oil for paving gal.	4,320	5,672	—	—
Oil, imported by miners or mining companies, for the concentration of ores or metals..... gal.	202,609	215,708	217,530	230,009
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	2,914,911	231,035,772	2,841,968	206,838,147
Crude petroleum, n.o.p. gal.	37,063	3,419	19,192	2,080
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah., when imported by oil refiners to be refined gal.	33,360,906	2,108,638	54,303,428	3,195,322
Fuel oil, ex-warehoused, for ships' stores..... gal.	14,258,112	679,982	15,598,798	692,812
Aviation gasoline gal.	54,983,367	11,147,501	72,428,954	13,895,589
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p. gal.	18,971,434	2,321,653	33,814,292	4,013,338
Engine distillate, .8017 specific gravity or heavier at 60° Fah. gal.	338,948	47,844	178,714	23,736
Gasoline, lighter than .8236 specific gravity at 60° Fah. gal.	126,080,301	19,944,275	154,276,266	22,794,416
Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° Fah., when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada gal.	21,501,902	2,304,054	23,501,268	2,433,895
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon gal.	7,115,193	1,383,875	14,120,488	2,731,861
Lubricating oils, 25 cents and over..... gal.	21,783,786	8,562,202	17,181,114	6,336,684
Oils, mineral, n.o.p. gal.	1,846,267	2,762,520	2,436,490	3,217,696
Stove oil, No. 1 fuel oil..... gal.	63,442,486	7,334,815	82,560,140	9,571,041
Light fuel oils, Nos. 2 and 3 gal.	166,419,260	18,115,943	266,037,963	27,949,749
Heavy fuel oils, Nos. 4, 5 and 6 gal.	329,280,546	20,858,781	308,551,855	18,187,582
Diesel fuel..... gal.	115,536,027	11,399,048	86,204,845	8,506,898
Tractor fuel..... gal.	1,557	304	235	36
Petroleum greases and lubricating greases, n.o.p. lb.	13,593,731	1,424,212	18,163,012	1,501,248
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes —	—	674,167	—	591,603
Paraffin wax lb.	37,292,220	2,815,827	30,290,450	1,957,224
Paraffin wax candles..... lb.	123,691	51,137	234,929	66,426
Products of petroleum, n.o.p. gal.	4,297,263	2,227,005	5,932,173	2,285,920
Liquefied petroleum gases lb.	188,849,211	3,135,382	191,700,940	2,899,786
Naphtha, including solvent naphtha..... gal.	11,584,975	2,510,588	6,409,320	1,392,781

TABLE 16. Exports of Petroleum and Its Products, 1951 and 1952

Item	1951		1952	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude gal.	11,962,316	806,729	49,855,950	3,452,231
Oil, coal and kerosene, refined gal.	5,946	1,573	2,754	653
Gasoline and naphtha gal.	212,772	47,853	32,083,079	5,035,108
Fuel oil..... gal.	215,194	33,017	132,254	21,254
Lubricating oil gal.	106,324	186,525	87,980	194,856
Oil, mineral, n.o.p. gal.	69,204	10,317	12,568	8,375
Wax, mineral cwt.	105,986	952,370	20,416	180,715

TABLE 17. Canadian Crude Petroleum Supply, 1938- 1952

Year	Canadian production	Imports	Exports ¹	Apparent supply
Barrels of 35 Imperial gallons				
1938	6, 966, 084	35, 101, 712	—	42, 067, 796
1939	7, 826, 301	37, 094, 823	—	44, 921, 124
1940	8, 590, 978	42, 623, 484	—	51, 214, 462
1941	10, 133, 838	46, 791, 026	—	56, 924, 864
1942	10, 364, 796	44, 120, 212	—	54, 485, 008
1943	10, 052, 302	49, 753, 782	—	59, 806, 084
1944	10, 099, 404	57, 047, 826	—	67, 147, 230
1945	8, 482, 796	56, 806, 214	—	65, 289, 010
1946	7, 585, 555	63, 407, 461	—	70, 993, 016
1947	7, 692, 492	69, 076, 848	—	76, 769, 340
1948	12, 286, 660	77, 633, 674	—	89, 920, 334
1949	21, 305, 348	75, 680, 992	—	96, 986, 340
1950	29, 043, 788	80, 124, 402	—	109, 168, 190
1951	47, 615, 534	84, 237, 399	341, 780	131, 511, 153
1952	61, 237, 322	82, 751, 160	1, 424, 456	142, 564, 026

1. Exports were comparatively small prior to 1951 and may be neglected.

TABLE 18. Receipts of Crude Petroleum by Canadian Refineries, 1948- 1952

Year	Maritimes and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and Northwest Territories	British Columbia	Canada
Barrels					
1948:					
Canadian	—	176, 262	11, 762, 299	—	11, 938, 561
Imported	36, 481, 290	28, 433, 238	5, 118, 073	7, 303, 538	77, 336, 139
Total	36, 481, 290	28, 609, 500	16, 880, 372	7, 303, 538	89, 274, 700
1949:					
Canadian	—	258, 371	20, 251, 860	—	20, 510, 231
Imported	41, 644, 735	25, 583, 887	932, 396	7, 287, 887	75, 448, 905
Total	41, 644, 735	25, 842, 258	21, 184, 256	7, 287, 887	95, 959, 136
1950:					
Canadian	—	248, 584	26, 069, 133	—	26, 317, 717
Imported	48, 677, 917	25, 050, 077	230, 878	7, 832, 059	81, 790, 931
Total	48, 677, 917	25, 298, 661	26, 300, 011	7, 832, 059	108, 108, 648
1951:					
Canadian	—	13, 855, 078	33, 330, 847	—	47, 185, 925
Imported	59, 054, 655	15, 943, 314	90, 516	8, 051, 088	83, 139, 573
Total	59, 054, 655	29, 798, 392	33, 421, 363	8, 051, 088	130, 325, 498
1952:					
Canadian	—	20, 030, 188	38, 355, 581	508, 862	58, 894, 631
Imported	61, 373, 935	13, 657, 565	29, 042	7, 406, 780	82, 467, 322
Total	61, 373, 935	33, 687, 753	38, 384, 623	7, 915, 642	141, 361, 953

TABLE 19. World Crude Oil Production, 1950-1952
(From "World Petroleum")

	1950	1951	1952		1950	1951	1952
	Thousands of barrels daily				Thousands of barrels daily		
North America:				Europe — concluded:			
United States	5,407.0	6,149.0	6,252.4	Yugoslavia	2.6	3.2	3.2
Canada	78.3	130.5	166.4	Italy	0.2	0.4	1.0
Mexico	199.0	210.2	211.8	Total (excluding U.S.S.R.)	177.5	214.9	213.7
Total	5,684.3	6,489.7	6,630.6	U.S.S.R.	760.0	842.0	940.0
				Total	937.5	1,056.9	1,153.7
South America:							
Venezuela	1,498.0	1,704.6	1,796.6	Near & Middle East:			
Colombia	91.0	105.3	107.2	Iran	665.5	350.0	31.5
Argentina	64.0	66.9	67.0	Saudi Arabia	546.7	761.5	821.8
Trinidad	56.5	57.1	57.3	Iraq	136.2	174.6	372.5
Peru	41.2	44.0	44.6	Kuwait	345.0	563.0	750.1
Ecuador	7.2	7.4	7.8	Bahrain	30.0	30.0	30.0
Bolivia	1.7	1.4	1.5	Qatar	33.7	49.6	67.3
Cuba	0.3	0.3	0.3	Egypt	45.3	44.7	45.2
Brazil	0.8	1.9	2.2	Turkey	0.2	0.4	0.5
Chile	1.7	2.0	2.0	Total	1,802.6	1,973.8	2,118.9
Total	1,762.4	1,990.9	2,086.3				
Western Hemisphere	7,446.7	8,480.6	8,716.9	Far East & Oceania:			
				Indonesia	132.5	151.7	168.7
Europe:				British Borneo	84.8	103.0	104.8
Romania	88.5	100.0	90.0	New Guinea	4.8	4.8	4.6
Austria	28.4	44.0	43.5	India	5.3	5.3	5.2
Germany	21.6	26.5	33.4	Pakistan	3.5	3.6	4.1
Hungary	11.5	10.5	9.5	Burma	1.6	2.2	2.2
Poland	3.3	3.7	3.8	Japan	5.6	6.4	5.8
Netherlands	13.4	13.6	13.7	China	2.0	2.0	2.0
Albania	3.0	3.0	3.0	Total	240.1	279.0	297.4
France	2.5	5.6	7.0	Eastern Hemisphere	2,980.2	3,309.7	3,570.0
French Morocco	0.8	1.6	2.0				
United Kingdom	0.9	0.9	1.1	World total	10,426.9	11,790.3	12,286.9
Czechoslovakia	0.8	1.9	2.5				

Crude Petroleum Producers, 1952

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton	Stoney Creek
Ontario¹:		
Ayrheart, E.J.	Oil Springs	Petrolia and Enniskillen
Barnes, A.G.	Petrolia	Petrolia and Enniskillen
Becher Oil and Gas Limited	25 King St. W., Toronto	Brooke
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Canadian Oil Companies Limited	204 Richmond St. W., Toronto 1	Petrolia and Enniskillen
Cole, W.J.	Petrolia	Petrolia and Enniskillen
Comfort, Alex. ³	102 Inshes Ave., Chatham	Dover
Corey, H.	Petrolia	Petrolia and Enniskillen
Demaray & Nichols	Oil Springs	Euphemia
DeMers, N.E.	Oil Springs	Petrolia and Enniskillen
Dennis, Mrs. L.	Oil Springs	Petrolia and Enniskillen
Dillon, T.	Leamington	Petrolia and Enniskillen
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F.H.	Petrolia	Petrolia and Enniskillen
Fairbank, J.H., Estate	Petrolia	Petrolia and Enniskillen
Hamlin, F.G.	Petrolia	Petrolia and Enniskillen
Heal, A.A.	Watford	Warwick and Adelaide
High Grade Natural Gas Co. Ltd.	215 King St. W., Chatham	Dover
Holmes, E.B.	Bothwell	Zone
Imperial Oil Ltd.	56 Church St., Toronto	Sombra, Euphemia, Mosa and Moore
Irwin, Foster	Petrolia	Petrolia and Enniskillen
Johnson, E.	Petrolia	Petrolia and Enniskillen
Kells, E.E.	Petrolia	Petrolia and Enniskillen
Kerr, J.J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E.A.	Bothwell	Zone
Lather, D.C.	Thamesville	Euphemia
Lennan, Lloyd A.	Petrolia	Petrolia and Enniskillen
Lewis & Lewis	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
Marcus, A.	Bothwell	Zone
Marcus, L.	Wallacetown	Dunwick
McCutcheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McGaffey, E. ²	Bothwell	
McRoberts & Marsh	Bothwell	Zone
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, R.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H.M.	Oil Springs	Petrolia and Enniskillen
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Pope, H.O.	Bothwell	Zone

1. Producer of 300 barrels or more during the year.

2. Driller

3. Producer and driller.

Crude Petroleum Producers, 1952 — Continued

Name	Address	Location of field
Ontario¹ — concluded:		
Pope, Wm.	Bothwell	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover East and Raleigh
Roth, E.L.	114 Hillsdale St., Hillsdale, Mich., U.S.A. ..	Aldborough and Brooke
Saroline Oil Co.	Petrolia	Petrolia and Enniskillen
Shain, Viola	Petrolia	Petrolia and Enniskillen
Slack, C.M.	Petrolia	Petrolia and Enniskillen
Stanley & McCrie	Bothwell	Camden Gore
Sutherland, B.M.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Warwick, Joseph	Oil Springs	Petrolia and Enniskillen
Warwick, Preston	Bothwell	Orford
Whitlock, B.	Petrolia	Petrolia and Enniskillen
Wilson-Sullivan Development Co. ³	112 S. Christina St., Sarnia	Warwick
Winnett, J.W.G.	418½ Talbot St., London	Zone and Orford
Woodward, Wm.	Oil Springs	Petrolia and Enniskillen
Yerks, Frank	Petrolia	Petrolia and Enniskillen
Manitoba:		
California Standard Company	Medical Arts Bldg., Calgary, Alta.	Virden
Canadian Superior Oil of California Ltd..	627-8th Ave.W., Calgary, Alta.	Virden
Imperial Oil Limited	56 Church St., Toronto, Ont.	Virden
Pascar Oils Limited	516 Toronto General Trusts Bldg., Winnipeg	Coulter
Souris Valley Oil Co. Ltd.	201 Avenue Bldg., Winnipeg	Virden
Saskatchewan:		
Albercan Oil Corporation	940-8th Ave. W., Calgary, Alta.	Lone Rock
American Northland Oil Co. Ltd.	8035-102 St., Edmonton, Alta.	Lloydminster
Bata Petroleum Limited	310 Broder Bldg., Regina	Unity
Cavalcade Oils	628-8th Ave., Saskatoon	Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, B.C.	Lloydminster
Do-Mor Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alta.	Lloydminster
Donna Oils	150-1st Ave.S., Saskatoon	Dulwich
Edoran Oil Corp. Ltd.	709-8th Ave.W., Calgary, Alta.	Lloydminster
Excelsior Refineries Ltd.	227 Tegler Bldg., Edmonton, Alta.	Lloydminster
Fair Gas & Oil Limited	Lloydminster	Lloydminster
Franco Castle Syndicate	678 Howe St., Vancouver, B.C.	Lloydminster
Franco Oils Limited	Vermilion	Lone Rock
Highwood Development Limited	614 Lancaster Bldg., Calgary, Alta.	Lloydminster
Humboldt Petroleum Syndicate	Humboldt	Lloydminster
Husky Oil & Refining Ltd.	630-8th Avenue W., Calgary, Alta.	Lloydminster
Ibstone Petroleum Limited	North Battleford	Lloydminster
Karels & Rennie	Swift Current	Lloydminster
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Malone, J.C.	712 McCallum-Hill Bldg., Regina	Lloydminster
Marshall Petroleum Limited	400 Burns Bldg., Calgary, Alta.	Lloydminster
Mills, C., Estate	Lloydminster	Lloydminster

1. Producer of 300 barrels or more during the year.

2. Driller.

3. Producer and driller.

Crude Petroleum Producers, 1952 - Continued

Name	Address	Location of field
Saskatchewan — concluded:		
Mitton Oils	10520-127th St., Edmonton, Alta.....	Lloydminster
Mowat, R.D., Limited.....	10454-32nd Ave., Edmonton, Alta.....	Lloydminster
North Canadian Oils Ltd.....	614 Lancaster Bldg., Calgary, Alta.....	Lloydminster
Republic Oils Ltd.	Lloydminster.....	Lloydminster
Rogers Bailey Syndicate.....	North Battleford	Lloydminster
Royalite Oil Company Limited.....	239-6th Ave. W., Calgary, Alta.	Coleville
Tide Water Associated Oil Co.	Royal Bank Bldg., Regina.....	Eastend and Wapella
Wilrich Petroleum Ltd.	66 King St. W., Toronto, Ont.....	Lloydminster
Withers-Groat Syndicate	Tisdale.....	Lloydminster
Yukon Oils Ltd.....	10454-82nd Ave., Edmonton, Alta.....	Lloydminster
Alberta:		
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Alberta Oil Producers Ltd.	800 Hall Bldg., Vancouver, B.C.....	Vermilion
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary.....	Turner Valley
Alberta Washington Petroleum Limited...	118 McFarland Bldg., Lethbridge.....	Del Bonita
Allied Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Amalgamated Oils Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley
Amerada Petroleum Corporation.....	513-8th Ave. W., Calgary	Redwater
American Leduc Petroleum Ltd.	10168-100th St., Edmonton.....	Bashaw
Anaconda Oil Company Limited.....	620-7th Ave. W., Calgary	Redwater
Anglo-Canadian Oil Company Limited	900 Lancaster Bldg., Calgary.....	Turner Valley and Elk Point
Argus Royalties Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Bailey, A.G., Co. Limited.....	901-8th Avenue W., Calgary.....	Leduc
Barons Oil Limited	305 Foothills Bldg., Calgary	Barons
Bay Petroleum Corporation.....	Box 957, Denver, Colorado, U.S.A.....	Leduc
British American Oil Company Limited ¹	King & Young Sts., Toronto, Ont.	Turner Valley and Redwater
California Standard Company.....	200 Greyhound Bldg., Calgary	Taber, Conrad and Princess
Calmar West Oils Ltd.	420 Empire Bldg., Edmonton.....	Leduc
Calmont Oils Limited	906 Lancaster Bldg., Calgary.....	Leduc and Turner Valley
Calwin-Royalties Limited.....	301 Lancaster Bldg., Calgary.....	Turner Valley
Canadian Atlantic Oil Company Ltd.	700 Petroleum Bldg., Calgary.....	Leduc
Canadian Bishop Oil Ltd.	209-211 Bamlett Bldg., Calgary	Redwater
Canadian Delhi Oil Ltd.....	1004 Barron Bldg., Calgary.....	Vermilion
Canadian Fina Oil Limited	407 Bamlett Bldg., Calgary.....	Bulwark
Canadian Gulf Oil Company	Tulsa 2, Okla., U.S.A.	Pincher Creek, Redwater and Stettler
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary	Excelsior
Canbridge Corporation Limited	205 Alberta Block, Calgary.....	Leduc
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary.....	Stettler
Central Leduc Oils Limited.....	359 Palliser Hotel, Calgary	Leduc and Woodbend
Century Royalties Limited.....	206 Burns Bldg., Calgary	Turner Valley
Coastal Oils Limited.....	232 Loughheed Bldg., Calgary.....	Turner Valley
Command Oils Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commoil Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Drilling Company Limited ²	4 Clarence Blk., Calgary.....	
Commonwealth Petroleum Limited.....	122-8th Ave. W., Calgary	Turner Valley and Lloydminster

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1952 — Continued

Name	Address	Location of field
Alberta — continued		
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, B.C.	Leduc
Consolidated Peak Oils Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Consumers Exploration Company Limited	211 Ave. D North, Saskatoon, Sask.	Princess
Crest Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Dodson, Jim	Kitscoty	Blackfoot
East Crest Oil Company Limited	610—8th Ave. W., Calgary	Turner Valley
Eastside Petroleums Ltd.	1210—11th Ave. W., Calgary	Turner Valley
Edmonton-Wainwright, Oils Ltd.	8 McDougall Court, Edmonton	Wainwright
Emjay Petroleums Ltd.	611—7th Ave. W., Calgary	Three Hills
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Exterior Petroleums Ltd.	Kitscoty	Lloydminster
Federal Oils Syndicate	605 Lancaster Bldg., Calgary	Princess
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Flier's Oil Limited	81 St. George's Crescent, Edmonton	Leduc
Foothills Oil & Gas Company Limited ...	232 Lougheed Bldg., Calgary	Turner Valley
Gas & Oil Products Ltd.	301 Lancaster Bldg., Calgary	Leduc
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
General Petroleums of Canada Limited ..	224—9th Ave. W., Calgary	Leduc-Woodbend
Godfrey-Lehman Lloydminster Syndicate	304 Lancaster Bldg., Calgary	Lloydminster
Granleduc Oils (Alberta) Ltd.	227 Tegler Bldg., Edmonton	Lloydminster
Granville Oils Limited	122—8th Ave. W., Calgary	Turner Valley
Hargal Oils Ltd.	800 Hall Bldg., Vancouver, B. C.	Leduc
Harris Wells Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
High Crest Oils Limited	609 Herald Bldg., Calgary	Campbell
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley, Leduc and Redwater
Husky Oil & Refining Ltd.	630—8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Independent Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
K de K Drilling Corp.	11 Michael Bldg., Calgary	Vermilion
Kamalta Well Operators Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Limited	1718 West 5th Ave., Vancouver, B. C.	McLeod
L. B. Oils Limited	Municipal Airport, Edmonton	Leduc and Woodbend
Leduc Consolidated Oils Limited	403 Lancaster Bldg., Calgary	Leduc and Woodbend

Crude Petroleum Producers, 1952 — Continued

Name	Address	Location of field
Alberta — continued		
Legion Oils Limited	304 Grain Exchange Bldg., Calgary	Redwater
Lloydminster Development Company Ltd.	Lloydminster	Lloydminster
Major Distributors Limited	407 Lancaster Bldg., Calgary	Leduc
Major National Oils Limited	407 Lancaster Bldg., Calgary	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Maryland Petroleums Limited	309—8th Ave. W., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
McGregor Mitchell Oils Ltd.	11536 Jasper Ave., Edmonton	Leduc and Woodbend
Mercury Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils ...	301 Lancaster Bldg., Calgary	Turner Valley
Model Oils Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Naco Limited	9 Barron Bldg., Calgary	Drumheller
National Petroleum Corp. Ltd.	401 Leeson-Lineham Bldg., Calgary	Turner Valley and Del Bonita
Nationwide Minerals Ltd.	129 Adelaide St. W., Toronto, Ont.	Lloydminster
New British Dominion Oil Co. Ltd.	304 Toronto General Trusts Bldg., Calgary	Turner Valley
New Continental Oil Co. of Canada Ltd...	231—8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleums Ltd.	409 Lancaster Bldg., Calgary	Turner Valley
New Richfield Petroleum Ltd.	1002 Lancaster Bldg., Calgary	Leduc and Campbell
New Superior Oils of Canada Limited	224—9th Ave. W., Calgary	Joseph Lake, Lloydminster, Redwater and Drumheller
Northwell Operators Limited	904 Lancaster Bldg., Calgary	Redwater and Woodbend
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Redwater
Oil City Petroleum Ltd.	11902—74th Ave., Edmonton	Leduc
Okalta Oils Limited	Renfrew Bldg., Calgary	Turner Valley and Leduc
Pacific Petroleums Ltd.	700 Petroleum Bldg., Calgary	Turner Valley, Princess, Red- water, and Excelsior
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary	Lloydminster
Pan Western Oils Limited	940 Eighth Ave. W., Calgary	Leduc
Paragon Oils Limited	118 McFarland Bldg., Lethbridge	Del Bonita
Paul Guthrie Development Limited	10460—111th St., Edmonton	Woodbend
Ponder Oils Ltd.	402 Bamlett Bldg., Calgary	Leduc and Woodbend
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary	Turner Valley
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary	Turner Valley
Ross Petroleums Limited	Bank of Nova Scotia Bldg., Edmonton	Leduc
Ross and Sons Oil Limited	10123—112th St., Edmonton	Redwater

Crude Petroleum Producers, 1952 - Concluded

Name	Address	Location of field
Alberta - concluded:		
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	239 - 6th Ave. W., Calgary	Turner Valley
Schermerhorn Oil Corporation	714 First National Bldg., Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Oils Limited	624 - 9th Ave. W., Calgary	Leduc
Security Freehold Petroleums Ltd.	Nanton Bldg., Winnipeg, Man.	Leduc
Shamrock Oils	Lloydminster	Lloydminster
Share Oils Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Shell Oil Co. of Canada Ltd.	25 Adelaide St., Toronto, Ont.	Jumping Pound
Sioux Petroleums Limited	506 Walter Scott Bldg., Moose Jaw, Sask..	Vermilion
Sacony-Vacuum Exploration Co.	Barron Bldg., Calgary	Duhamel
Southwest Petroleum Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Standard Pacific Petroleums Limited ...	700 Petroleum Bldg., Calgary	South Princess
Sterling Royalties Limited	206 Burns Bldg., Calgary	Turner Valley
Sun Oil Company	Barron Bldg., Calgary	New Norway
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Taylor Petroleum Operators Ltd.	627 - 8th Ave. W., Calgary	Leduc and Stettler
Texaco Exploration Company	237 - 7th Ave. W., Calgary	Redwater and Calmar
Tor American Oils Limited	1520 Mountain St., Montreal, Que.	Bonnyville and Cold Lake
Trinidad Leaseholds (Canada) Ltd.	184 Bay St., Toronto, Ont.	Leduc
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Vanpeg Royalties Well No. 1	301 Lancaster Bldg., Calgary	Turner Valley
Wain-Con Oils Limited	112 Thomas Bldg., Edmonton	Wainwright
Wainwright Petroleums Ltd.	10625 - 99th Ave., Edmonton	Wainwright
Wainwright Refineries Ltd.	Wainwright	Wainwright
Wakefield, E. F.	307 Union National Bank Bldg., Wichita, Kansas, U. S. A.	Leduc and Woodbend
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Redwater
Western Mineral Properties of Honolulu Oil Corporation, Barnsdall Oil Com- pany, Seaboard Company of Delaware and Los Nietos Company	735 - 8th Ave. W., Calgary	Redwater
Western Petroleums Operators Limited ..	407 Lancaster Bldg., Calgary	Turner Valley
Westside Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

1. In addition to operating and drilling wells in the Turner Valley field, this company operates an absorption plant.

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1952 amounted to 88,686,465 thousand cubic feet valued at \$9,517,638. These figures include the natural gas sold for domestic, industrial and other uses, and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices, this conforming with the practice of the Petroleum and Natural Gas Commissioner for Ontario. In Alberta, the total output, less field waste and meter differences, was valued at a nominal well-head price.

In Alberta, the Turner Valley field was the chief producer at 28,498,793 M cubic feet and the

Viking-Kinsella field was next with 17,398,977 M cubic feet. Output increased in Saskatchewan to 1,007,491 M cubic feet but decreased in Ontario to 8,302,190 M cubic feet and in New Brunswick to 202,042 M cubic feet.

The industry in 1952 employed 2,573 persons to whom \$7,296,092 were paid in salaries and wages. Fuel cost \$78,606 and 634,635 k.w.h. of electricity cost \$17,116. Process supplies used were valued at \$240,944.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry.

TABLE 20. Principal Statistics for the Natural Gas Industry, 1943-1952

Year	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1943	191	3,558	1,882	2,846,514	181,841	7,899	11,552,696
1944	211	3,621	1,810	2,885,654	188,003	13,149	9,772,357
1945	218	3,748	1,890	2,993,091	227,514	18,298	10,860,594
1946	219	3,825	1,655	2,491,361	226,980	21,457	10,588,175
1947	186	3,799	1,784	3,057,249	220,344	19,975	12,333,332
1948	175	3,833	1,831	2,918,941	62,580	4,485	14,689,737
1949	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512
1950	196	3,991	2,618	5,703,524	130,504	55,676	6,444,215
1951	201	3,985	2,658	6,491,234	126,301	48,583	6,691,223
1952	191	4,132	2,573	7,296,092	95,722	240,944	5,854,051

1. See footnote to Table 21.

TABLE 21. Principal Statistics, by Provinces, 1951 and 1952

Province	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1951							
New Brunswick	2	42	70	153,516	7,336	—	238,657
Ontario	167	3,746	1,384	2,879,891	41,166	7,386	3,203,795
Saskatchewan	2	14	11	18,615	993	—	71,564
Alberta	25	189	1,153	2,651,502	81,009	48,290	2,930,199
Canada	196	3,991	2,618	5,703,524	130,504	55,676	6,444,215
1952							
New Brunswick	2	39	58	159,603	7,528	—	169,803
Ontario	166	3,858	1,419	3,983,753	11,572	207,740	3,320,876
Saskatchewan	1	5	13	34,844	1,940	—	27,176
Alberta	22	230	1,083	3,117,892	74,682	33,204	2,336,196
Canada	191	4,132	2,573	7,296,092	95,722	240,944	5,854,051

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

TABLE 22. Production of Natural Gas, 1943-1952

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1943	44,276,216	13,159,418	1948	58,603,269	15,632,507
1944	45,067,158	11,422,541	1949	60,457,177	11,620,302
1945	48,411,585	12,309,564	1950	67,822,230	6,433,041
1946	47,900,484	12,165,050	1951	79,460,667	7,158,920
1947	52,656,567	13,429,558	1952	88,686,465	9,517,638

TABLE 23. Production of Natural Gas, by Provinces, 1943-1952

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	M cubic feet					
1943	675,029	7,914,408	116,201	35,569,078	1,500	44,276,216
1944	702,464	7,082,508	119,116	37,161,570	1,500	45,067,158
1945	653,230	7,199,970	163,824	40,393,061	1,500	48,411,585
1946	541,010	7,051,309	209,569	40,097,096	1,500	47,900,484
1947	489,810	7,785,921	274,193	44,106,643	—	52,656,567
1948	420,352	8,590,429	477,271	48,965,217	150,000	58,603,269
1949	375,035	8,024,213	812,916	51,179,779	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	24,847	88,686,465

TABLE 24. Production¹ of Natural Gas, by Provinces, 1951 and 1952

Province	1951		1952	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	261,579	194,312	202,042	150,073
Ontario	8,442,842	3,377,137	8,302,190	3,320,876
Saskatchewan	860,082	86,008	1,007,491	100,749
Alberta	69,876,831	3,493,842	79,149,895	5,936,242
Northwest Territories	19,333	7,621	24,847	9,698
Canada	79,460,667	7,158,920	88,686,465	9,517,638

1. Sold and used by producers.

TABLE 25. Production¹ of Natural Gas, by Months and by Provinces, 1952

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
	M cu. ft.				
January	21,940	521,971	129,720	9,527,475	10,201,550
February	20,499	551,192	93,119	7,742,608	8,410,390
March	21,418	457,196	101,561	8,070,642	8,654,030
April	18,777	880,948	77,261	5,885,754	6,866,351
May	18,310	804,813	56,270	5,277,348	6,159,023
June	13,838	731,337	62,110	4,817,842	5,626,924
July	11,474	724,393	70,765	4,619,095	5,427,515
August	12,302	835,462	58,599	4,632,831	5,542,445
September	13,218	636,965	73,653	5,178,225	5,904,985
October	15,125	663,081	77,452	6,344,801	7,102,107
November	17,258	676,852	92,405	7,918,504	8,705,522
December	17,883	817,980	114,576	9,134,770	10,085,623
Total	202,042	8,302,190	1,007,491	79,149,895	88,686,465

1. Sales and consumption by producers.

2. Includes 24,847 M cu. ft. in the Northwest Territories.

TABLE 26. Production of Natural Gas in Alberta, by Fields, 1952

Field	M cu. ft.	Field	M cu. ft.
Athabaska	103,132	Redcliff	1,468,982
Bow Island	625,476	St. Paul	133,267
Brooks	194,786	Suffield	187,685
Elk Point	242,713	Turner Valley	28,498,793
Foremost	111,060	Vermilion	394,007
Jumping Pound	7,384,848	Viking-Kinsella	17,398,977
Leduc-Woodbend	7,522,015	Wainwright	377,152
Lloydminster	948,925	Other fields and areas	1,215,783
Medicine Hat	3,628,267		
Pakowki Lake	8,308,127		
Pouce coupe	405,880		
		Total	79,149,895

Note: Does not include waste gas and meter differences in field, amounting to 16.7 million M cu. ft. in 1952.

TABLE 27. Production of Natural Gas in Ontario, by Fields, 1951 and 1952

County	Field	1951	1952
		barrels	
Middlesex and Elgin	Mosald	184,810	298,246
Essex	Kingsville	1,986,211	1,640,464
	Tilbury		
	Dover	180,231	110,853
Kent	Electric	44,806	11,416
	DeClute	268,281	289,395
	Chatham and Camden Gore	226,453	87,577
	Zone	261,070	115,100
	Dawn	942	744
Lambton	Kimball	2,396,834	2,651,432
	Becher	36,859	44,707
Elgin	Bayham and Malahide	25,583	20,429
Haldimand			
Lincoln	Haldimand	1,682,314	1,594,783
Wentworth			
Brant	Brant	22,047	21,519
Norfolk	Norfolk	400,383	546,282
Oxford	Brownsville	50,119	56,215
Welland	Welland	549,399	686,528
Wells in surface drift	Harwich and Howard	6,500	6,500
Private wells		120,000	120,000
Total produced		8,442,842	8,302,190

TABLE 28. Number of Gas Wells, by Provinces, 1950-1952

	New Brunswick	Ontario	Saskatchewan	Alberta	Canada
	Number				
Productive wells at beginning of year..... 1950	38	3,712	13	162	3,925
..... 1951	39	3,746	14	187	3,986
..... 1952	39	3,713	15	196	3,963
Number of productive wells drilled 1950	1	212	1	30	244
..... 1951	—	178	1	13	192
..... 1952	—	235	—	25	260
Number of dry wells drilled 1950	2	97	—	—	99
..... 1951	—	119	2	7	128
..... 1952	—	108	—	3	111
Number of wells abandoned..... 1950	—	121	—	5	126
..... 1951	—	164	—	4	168
..... 1952	—	123	10	4	137
Productive wells at end of year 1950	39	3,746	14	187	3,986
..... 1951	39	3,713	15	196	3,963
..... 1952	39	3,858	5	217	4,119

TABLE 29. Natural Gas Pipeline Mileage, 1951 and 1952

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1951	1952	1951	1952	1951	1952	1951	1952
New Brunswick	20	20	65	65	36	36	73	73
Ontario	2,203	2,303	2,050	2,068	3,726	4,099	2,334	2,363
Saskatchewan	44	36	7	24	29	43	5	20
Alberta	1,194	1,262	1,340	1,349	3,826	3,734	1,805	1,863
Canada	3,461	3,621	3,462	3,506	7,617	7,912	4,217	4,319

TABLE 30. Sales¹ of Manufactured and Natural Gas, 1951 and 1952

	1951			1952		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M. cu. ft.	\$		M. cu. ft.	\$
Manufactured gas:						
Domestic	537,543	14,587,802	18,473,587	531,775	13,940,405	19,115,540
House heating	7,203	2,460,905	1,977,681	7,151	2,477,077	2,292,065
Industrial	4,341	4,052,784	3,596,356	4,394	3,777,587	3,711,311
Commercial	29,903	7,023,620	6,185,901	30,098	6,109,610	6,612,951
Miscellaneous	41	15,245	32,457	39	10,244	30,493
Total	579,031	28,140,356	30,265,982	573,457	26,314,923	31,762,360
Natural gas:						
Domestic	228,905	28,442,376	14,808,492	239,957	28,392,449	16,654,932
Industrial	1,824	21,868,514	4,896,502	1,844	22,677,481	5,429,257
Commercial	20,853	14,605,649	4,442,500	21,467	14,935,855	4,954,170
Miscellaneous	493	139,714	72,034	489	127,188	63,331
Total	252,075	65,056,253	24,219,528	263,757	66,132,973	27,101,690
Total — All gas	831,106	93,196,609	54,485,510	837,214	92,447,896	58,864,050

1. Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 31. Sales¹ of Natural Gas, by Areas, 1951 and 1952

	1951		1952	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M. cu. ft.	\$	M. cu. ft.	\$
Eastern Canada				
Domestic.....	7,276,780	8,398,413	8,008,839	9,754,358
Industrial	1,701,824	1,785,166	1,928,813	2,115,535
Commercial.....	1,257,450	1,363,761	1,322,076	1,480,139
Miscellaneous ²	84,009	67,174	53,096	52,375
Total	10,320,063	11,614,514	11,310,824	13,402,407
Western Canada				
Domestic.....	21,165,596	6,410,079	20,383,610	6,900,564
Industrial	20,166,330	3,111,336	20,748,668	3,313,722
Commercial.....	13,348,199	3,078,739	13,613,779	3,474,031
Miscellaneous ²	55,705	4,860	76,092	10,956
Total	54,735,830	12,605,014	54,822,149	13,699,273
Canada— Total				
Domestic.....	28,442,376	14,808,492	28,392,449	16,654,922
Industrial	21,868,514	4,896,502	22,677,481	5,429,257
Commercial.....	14,605,649	4,442,500	14,935,855	4,954,170
Miscellaneous ²	139,714	72,034	127,188	63,331
Total	65,056,253	24,219,528	66,132,973	27,101,680

1. See footnote to table 30.

2. Includes some free customers.

TABLE 32. Employees and Their Earnings in the Natural Gas Industry, 1951 and 1952

—	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1951						\$	\$	\$
New Brunswick	—	—	64	2	66	—	162,038	162,038
Ontario	204	178	1,002	2	1,386	942,052	2,293,919	3,235,971
Saskatchewan.....	3	—	10	—	13	8,175	22,476	30,651
Alberta	169	48	957	19	1,193	620,385	2,442,189	3,062,574
Canada	376	226	2,033	23	2,658	1,570,612	4,920,622	6,491,234
1952								
New Brunswick	—	—	56	2	58	—	159,603	159,603
Ontario	247	188	982	2	1,419	1,239,700	2,744,053	3,983,753
Saskatchewan.....	3	—	10	—	13	10,400	24,444	34,844
Alberta	162	48	847	26	1,083	710,762	2,407,130	3,117,892
Canada	412	236	1,895	30	2,573	1,960,862	5,335,230	7,296,092

TABLE 33. Number of Workmen in the Natural Gas Industry, by Months, 1951 and 1952
(On the last work-day of each month)

Month	1951			1952		
	Male	Female	Total	Male	Female	Total
	Number					
January.....	1,479	20	1,499	1,491	24	1,515
February.....	1,485	13	1,498	1,418	23	1,441
March	1,496	15	1,511	1,372	25	1,397
April.....	1,756	23	1,779	1,521	25	1,546
May.....	2,108	22	2,130	1,954	29	1,983
June	2,331	25	2,356	2,033	30	2,063
July.....	2,372	27	2,399	2,179	36	2,215
August	2,400	27	2,427	2,266	40	2,306
September.....	2,375	27	2,402	2,257	32	2,289
October.....	2,346	29	2,375	2,232	33	2,265
November.....	2,110	29	2,139	2,120	34	2,154
December.....	1,646	25	1,671	1,717	33	1,750
Average	2,033	23	2,056	1,895	30	1,925

Directory of Firms in the Natural Gas Industry – 1952

1. Distributing only. 3. Drilling only.
2. Drilling and producing. 4. Using or selling gas from absorption plant.

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton.....	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
B. & D. Development.....	Niagara Falls.....	Willoughby
Bain, Lyons & Werner	Fisherville	Cayuga South
Barnhart, Mr. & Mrs. E.	Stevensville	Bertie
Barrick, R., & H. Heighton	R.R. 2, Wainfleet.....	Wainfleet
Bates, Norman.....	Port Colborne.....	Humberstone
Bates, N. and G.	Port Colborne.....	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	
Beaver Oil & Gas Syndicate	67 Yonge St., Toronto.....	Walpole
Benner, Alvin and Jack	Sherkston	Humberstone
Benner, K. W.	Fisherville	Rainham
Benner & Tinney.....	Fisherville	Rainham and Walpole
Bertie Township Gas & Oil Syndicate.....	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate.....	Fisherville	Rainham
Britlo Oils Limited.....	67 Yonge St., Toronto.....	Tilbury East
Buck, J.L.	Port Rowan.....	Walsingham South
Campbell, L.G.	Kingsville.....	Gosfield South
Canada Cement Company Limited	Montreal, Quebec.....	Wainfleet
Canfield Natural Gas Company Limited...	Dunnville	Cayuga North
Caughell Bros.	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga ...	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth

Directory of Firms in the Natural Gas Industry — 1952 — Continued

Name	Address	Location of field
Ontario - continued:		
Central Senaca Gas Syndicate	Cayuga	Senaca
Chambers, H. M.	Sherkston	Humberstone
Chambers, Dr. H. W.	Chippawa	Willoughby
Chippawa Creek Gas Syndicate	Drawer 200, Fort Erie	Bertie and Willoughby
Consolidated West Petroleum Limited ...	19 Melinda St., Toronto	Romney
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Daubarie, A. ²	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Syndicate	Fort Erie	Bertie
Dell-Burn Gas Limited ²	Dunnville	Various
DeMers, N.E.	Petrolia	Enniskillen
Dickout Bros.	Lowbanks	Moulton
Dickout, Larry	Lowbanks	Sherbrooke
Dickson & Mercer	Hagersville	Oneida
Dominion Natural Gas Company, Limited ²	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Norfolk, Haldimand, Welland, Essex and Kent
Dover Gas Syndicate	Drawer 200, Fort Erie	Woodhouse
Earleejune Fish Co.	Dunnville	Dunn
Edmund Gas Syndicate	Port Colborne	Humberstone
Elk Development Syndicate	Port Colborne	Humberstone
Emerson, H.L.	Dunnville	Moulton, Canboro, Gainsboro, Cayuga South and Wain- fleet
Erie Prospecting Syndicate	Ridgeway	Bertie
Essex Gas & Oil Limited	19 Melinda St., Toronto	Malden
Fairbank Estate	Petrolia	Enniskillen
Falls View Gas Syndicate	Fort Erie	Stamford
Fisherville Gas Co.	Fisherville	Rainham
Fitzgerald, W. J.	South Cayuga	Cayuga South
Fleet Manufacturing Limited	Fort Erie	Bertie
Fletcher & Messner	Selkirk	Rainham
Fletcher, Eva	Glanford Station	Binbrook
Fox, E. S.	Welland	Thorold
Franklin, Stanley	Port Maitland	Dunn
George, Mrs. A.	Fort Erie	Bertie
George, G.	Fort Erie	Bertie
Grand Gas Co.	Dunnville	Moulton
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited ..	Grimsby	Caistor, Gainsboro and Can- boro
Hagersville Quarries Limited	Hagersville	Walpole
Haidon & MacDonald	Chippawa	Willoughby
Haidon, L. & P.	Chippawa	Willoughby
Haldimand Gas Syndicate	Cayuga	Rainham and Cayuga North
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Highbank Oil Limited	Chatham	Raleigh
High Grade Natural Gas Company Ltd....	Chatham	Dover
Hock, Albert	Wainfleet	Wainfleet
Horton, A.	Port Colborne	Humberstone

Directory of Firms in the Natural Gas Industry — 1952 — Continued

Name	Address	Location of field
Ontario — continued:		
Houk Syndicate	Dunnville	Moulton
House, C. C.	Stevensville	Bertie
Ideal Gas Syndicate	Fisherville	Rainham
Imperial Oil Ltd.	56 Church St., Toronto	Moore, Sombra, Raleigh, and Dover
Jackson, P. L.	Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn, and Cayuga South
Jenkins, S. S.	Fort Erie	Bertie and Townsend
Kerr, Robert	York	Senaca
Kin-Mar Gas Syndicate ²	Fort Erie	Bertie and Willoughby
Kinsey, L. & O.	Lowbanks	Sherbrooke
Kramer & Bates	Port Colborne	Humberstone
Kramer, Harry	Port Colborne	Humberstone
Lake Erie Gas Syndicate	54 Hambly Ave., Toronto	Rainham
Lake Shore Gas & Oil Syndicate	Ridgeway	Bertie
Lake Shore Gas Company	20 Duke St., Hamilton	Dunn
Langan, K.	Welland	Thorold
Lapp & Arendt	Stevensville	Bertie
Leamington, Town of ¹	Leamington	
Lincoln Natural Gas Co. Ltd.	Dunnville	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
Locators Oils Limited	139 Lake Shore Drive, Toronto.....	Cayuga South
London, City of, Gas Company ¹	London	
Lunenfeld, S.	Fort Erie	Bertie
Lymburner Bros. and Webber	Dunnville	Cayuga North, Rainham and Walpole
MacAnn Well Syndicate	Fort Erie	Bertie
Maguire, J.	Clifford	Walpole and Woodhouse
Makaton, John	Fort Erie	Bertie
Manock Gas Syndicate	Fort Erie	Bertie
Maple Leaf Gas Syndicate	Ridgeway	Bertie
McIntyre & Hawkins	Fort Erie	Humberstone
McKechnie, S., Estate	Dunnville	Walpole
Medina Gas Syndicate	Welland	Crowland
Mehlenbacher, L. B., Gas Syndicate	Cayuga	Cayuga North, Rainham, and Walpole
Meyers, Paul	Fort Erie	Willoughby
Minor & Luck	Barrie	Sherbrooke
Mitchell, S. T.	Dunnville	Dunn
Mohawk Gas & Oil Syndicate Limited	421 Main St. E., Hamilton	Oneida and Walpole
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Morningstar, Roy	Ridgeway	Bertie
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Nevada Gas Syndicate	Fort Erie	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece Bros.	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich	Sherbrooke

Directory of Firms in the Natural Gas Industry — 1952 — Continued

Name	Address	Location of Field
Ontario — continued:		
North Cayuga Gas Co.	King & Hughson Sts., Hamilton	Cayuga North
North Shore Gas Co.	Selkirk	Rainham
Noyes, L. A.	Stevensville	Willoughby
Palsco, J.	Wainfleet	Wainfleet
Patterson & Culver	Dunnville	Dunnville
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Petrol Oil & Gas Co. Ltd.	414 Bay St., Toronto	Oneida, Onondaga and Tuscarora
Port Colborne-Welland Gas Co., ²	Port Colborne	Senaca, Cayuga North, Oneida and Onondaga
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover
Provincial Gas Company Limited	Fort Erie	Humberstone, Willoughby, Bertie and Crowland
Purcifer, R.	Stevensville	Humberstone
Queenston Gas & Oil Co. Ltd.	Fort Erie	Willoughby, Walsingham South, Oneida and Woodhouse
Rae, Robert	Niagara Falls	Humberstone
Raydis Oil & Gas Company Limited	118 King St. W., Chatham	Norfolk
Reicheld, F. W., ²	Jarvis	Walpole
Ridgemount Gas Syndicate	Ridgeway	Bertie
Riverside Syndicate	Welland	Welland
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Frank	Ridgeway	Bertie
Round, Mrs. J. S.	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruegg, J. A.	Ridgeway	Bertie
Salina Gas Company Limited	317 Queen St., Chatham	Tilbury East
Sandusk Gas Syndicate	Fisherville	Walpole
Schweyer, G., ³	Dunnville	
Shank & Snively	Hagersville	Oneida
Sherbrooke Gas Syndicate	Dunnville	Sherbrooke
Sherk & Carrothers	Sherkston	Humberstone
Sherk & Learn	Sherkston	Humberstone
Sherk, Bert	Stevensville	Bertie
Sherk, Perry M.	Sherkston	Humberstone
Sherkston Gas Syndicate	Sherkston	Humberstone
Shurr, Ivan	Cayuga	Rainham
Siddall, McKeown & Siddall	Port Maitland	Dunn
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Humberstone
Sider, Ralph	Ridgeway	Moulton and Bertie
Smith & Ehde	Lowbanks	Moulton and Dunn
Smith, H.	373 Oak Ave., Windsor	Romney
Southern, J.	Welland	Crowland
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Star Gas Syndicate	Ridgeway	Crowland, Humberstone and Bertie
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Streets, C & Pearl D. W.	Fort Erie	Bertie
Sundy Natural Gas Co.	Dunnville	Canboro
Sunnyside Gas Syndicate	Welland Junction	Humberstone

Directory of Firms in the Natural Gas Industry — 1952 — Continued

Name	Address	Location of field
Ontario—concluded:		
Swayze, H.	Hagersville	Oneida
T. H. & G. Syndicate	Fort Erie	Bertie
Tanke, E.	16 Irving Place, Buffalo, N.Y., U.S.A.	Thorold, Bertie and Humberstone
Till Gas Syndicate	Tillsonburg	Walpole
Tri-County Gas & Oil Co. Ltd.	Tillsonburg	Norwich South
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited	Chatham	Tilbury, D'Clute, Dover, Dawn, Camden Gore, Zone, Haldi- mand and Chatham
Valencourt Gas Syndicate.....	Welland	Thorold
Valencourt, L.	Welland	Thorold
Victory Gas Syndicate	Huron & Erie Bldg., London	Windham
Walpole Gas Syndicate	Cayuga	Walpole, Cayuga North and Senaca
Walter Gas Syndicate Ltd. ²	Simcoe	Woodhouse, Townsend, Wal- singham South and Walpole
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Warren, G.	Tillsonburg	
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
Western Ashley Minerals Ltd.	Wyoming	Aldborough and Mosa
Wilkinson Gas Syndicate	Fort Erie	Thorold
Willick, J.S.	Stevensville	Willoughby
Willoughby Gas Syndicate	Chippawa	Humberstone
Zielski, E. & M.	Port Colborne	Wainfleet
Zuba, Andrew	Stevensville	Willoughby
Saskatchewan:		
Bata Petroleum Ltd.	310 Broder Bldg., Regina	Unity
Consolidated Peak Oils Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Franco Oils Limited	Vermilion	Lone Rock
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary, Alta.	Lloydminster
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Malone, J. C.	712 McCallum Hill Bldg., Regina	Lloydminster
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alta.	Coleville
Alberta:		
Ajax Petroleum Limited	302 Bay St., Toronto, Ont.	Morinville
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
American Leduc Petroleum Ltd.	101 Alexandra Bldg., Edmonton	Leduc and Bashaw
Anglo-Canadian Oil Company Limited	900 Lancaster Bldg., Calgary	Turner Valley
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Athabasca Utilities ¹	Lloydminster	
Bonnyville Gas Company Limited	Bonnyville	Bonnyville
British American Oil Company Limited ⁴ ..	Royal Bank Bldg., Toronto, Ontario	Turner Valley, Redwater and Leduc

Directory of Firms in the Natural Gas Industry — 1952 — Continued

Name	Address	Location of field
Alberta—continued:		
Calmont Oils Limited	906 Lancaster Bldg., Calgary	Turner Valley and Leduc
Calwin Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Canadian Delhi Oil Ltd.	1004 Barron Bldg., Calgary	Picardville
Canadian Pacific Railway Company	Montreal, Quebec	Medicine Hat
Canadian Western Natural Gas Company Limited	215—6th Ave. W., Calgary	Brooks
Canadian Western Power & Fuel Co. Ltd.	Redcliff	Redcliff
Century Royalties Ltd.	206 Burns Bldg., Calgary	Turner Valley
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Commoil Limited	122—8th Ave. W., Calgary	Turner Valley
Crest Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Dalhousie Oil Company Limited	35 Dominion Bank Chambers, Edmonton	Turner Valley
Department of National Defence	Suffield	Suffield
Dominion Glass Company Limited	1111 Beaver Hall Hill, Montreal, Quebec ..	Medicine Hat
East Crest Oil Company Limited	5 Barron Bldg., Calgary	Turner Valley
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Federated Petroleum Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Company Limited	232 Lougheed Bldg., Calgary	Turner Valley
Franco Public Service Limited	Vermilion	Vermilion
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
Gunderson Brick & Coal Co. Ltd.	Redcliff	Redcliff
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley and Leduc
Husky Oil & Refining Ltd.	630—8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Inland Gas & Oil Co. Ltd.	35 Dominion Bank Chambers, Edmonton	Fabyan
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster and Dina
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Ltd.	Medicine Hat	Medicine Hat
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 100, Medicine Hat	Medicine Hat
Mercury Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Royalties & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Model Oils Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
National Petroleum Corporation Limited ..	401 Leeson-Lineham Bldg., Calgary	Turner Valley, Del Bonita and Spring Coulee
New British Dominion Oil Company Limited ..	304 Toronto General Trusts Bldg., Calgary	Stettler
New Continental Oil Co. of Canada Ltd. ..	231—8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleum Ltd.	409 Lancaster Bldg., Calgary	Turner Valley
Newfold Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Northwell Operators Limited	900 Lancaster Bldg., Calgary	Redwater
Northwestern Utilities Limited	10124—104 St., Edmonton	Viking-Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Quebec	Medicine Hat
Okalta Oils Limited	516—10th Ave. W., Calgary	Turner Valley and Leduc
Pacific Petroleum Ltd.	700 Petroleum Bldg., Calgary	Redwater, Armena and Peace River
Ponder Oils Ltd.	213—6th Ave. W., Calgary	Leduc-Woodbend

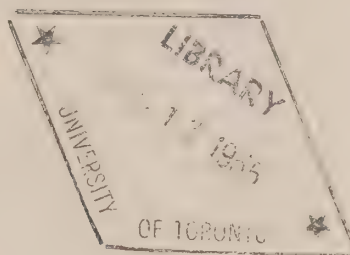
Directory of Firms in the Natural Gas Industry — 1952 — Concluded

Name	Address	Location of field
Alberta — concluded:		
Redcliff Premier Brick Co. Ltd.	Redcliff	Redcliff
Redcliff Pressed Brick Co., Ltd.	Redcliff	Redcliff
Royalite Oil Company Limited ⁴	606—2nd St. W., Calgary	Turner Valley
St. Paul Utilities Ltd.	9656 Jasper Ave., Edmonton	St. Paul
Scurry Oils Limited	624—9th Avenue W., Calgary	Camrose, Armena and Drumheller
Share Oils Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Shell Oil Company of Canada Ltd.	25 Adelaide St., Toronto, Ontario	Jumping Pound
Southwest Petroleum Company	232 Lougheed Bldg., Calgary	Turner Valley
Suffield Gas Supply	Suffield	Suffield
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Taylor Petroleum Operators Ltd.	627-8th Ave. W., Calgary	Leduc
Tilley Gas Co. Ltd.	Tilley	Tilley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Valley Gas Company Limited ¹	Box L, Turner Valley	
Vanpeg Royalties #1	301 Lancaster Bldg., Calgary	Turner Valley
Wainwright Gas Company Limited ¹	36 Dominion Bank Bldg., Edmonton	
Western Petroleum Operators Limited	407 Lancaster Bldg., Calgary	Turner Valley
Westside Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ontario	Fort Norman



CANADA

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1953



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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** – Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I – Mineral Statistics
- Part II – Forestry Statistics – Operations in the Woods
- Part III – Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A – General Review of the Mining Industry, 50¢
- B – The Gold Mining Industry, 50¢
- C – The Silver-Lead-Zinc Mining Industry, 25¢
- D – The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E – The Miscellaneous Metal Mining Industry, 25¢
- F – The Non-ferrous Smelting and Refining Industry, 25¢
- G – The Coal Mining Industry, \$1.00
- H – The Crude Petroleum and Natural Gas Industry, 25¢
- I – The Asbestos Mining Industry, 25¢
- J – The Feldspar and Quartz Mining Industry, 25¢
- K – The Gypsum Industry, 25¢
- L – The Peat Industry, 25¢
- M – The Salt Industry, 25¢
- N – The Talc and Soapstone Industry, 25¢
- O – The Miscellaneous Non-metal Mining Industry, 25¢
- P – The Cement Manufacturing Industry, 25¢
- Q – The Clay and Clay Products Industry, 25¢
- R – The Lime Industry, 25¢
- S – The Sand and Gravel Industry, 25¢
- T – The Stone Industry, 25¢
- U – Contract Drilling in the Mining Industry, 25¢

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1953

(a) THE CRUDE PETROLEUM INDUSTRY

The Canadian production of crude petroleum during 1953 amounted to 80,898,897 barrels valued at \$200,582,276 compared with 61,237,322 barrels worth \$143,038,212 in 1952.

About 95 per cent of Canada's production came from Alberta wells. The fields in this province which exceeded 2 million barrels in output in 1953 were: Acheson, Armena-Camrose, Bonnie Glen, Golden Spike, Leduc-Woodbend, Redwater, Turner Valley, and Wizard Lake. Among the new producing areas were: Battle, Erskine, Joffre, Morinville, and Samson.

Saskatchewan's output was 2,797,888 barrels in 1953 compared with 1,696,505 barrels in the preceding year. The new fields in this province included: Cantuar, Success, Gull Lake, Midvale, Rapdan, Dollard and Java. The output in Manitoba

was 653,514 barrels in 1953 which was six times as much as in 1952. The oil fields were located in the southwest portion of Manitoba. In the Northwest Territories the production was only slightly more in 1953 than in 1952. Shipments by producers in Ontario increased to 299,685 barrels from 191,814 barrels in 1952. New Brunswick output was about the same as previous years.

The average number of employees was 4,150 to whom \$16,430,201 were distributed in salaries and wages. Fuel cost \$1,586,762 and 22,455,528 kwh. of electricity were purchased for \$860,411. Process supplies were valued at \$3,020,756.

The general statistics refer only to firms which have producing wells, thus some oil prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, 1944-1953

Year	Number of operating wells	Number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of sales
			\$	\$	\$	\$
1944	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358
1945	2,222	1,968	3,898,662	748,351	117,708	14,121,921
1946	2,314	1,563	3,260,571	914,551	109,555	14,725,139
1947	2,296	1,296	3,055,108	759,635	116,957	19,543,301
1948	2,581	1,641	4,391,929	1,939,856	112,952	37,388,975
1949	3,166	2,142	6,304,601	599,562	386,145	61,091,128
1950	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945
1951	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729
1952	5,833	3,702	14,610,821	1,911,794	2,502,154	139,596,851
1953	7,056	4,150	16,430,201	2,447,173	3,020,756	204,481,012

Note. Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics of the Crude Petroleum Industry, by Provinces¹, 1953

	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Number of firms	73	10	63	200	1	352
Number of active wells ²	1,423	114	895	5,020	28	7,506 ^{3, 4}
Number of employees:						
Administration	44	13	221	666	1	945
Workmen	104	28	199	2,854	20	3,205
Total	148	41	420	3,520	21	4,150
Earnings:						
Administration	\$ 152,914	59,514	698,181	2,960,104	4,605	3,875,318
Workmen	\$ 203,721	108,042	704,025	11,481,095	58,000	12,554,883
Total	\$ 356,635	167,556	1,402,206	14,441,199	62,605	16,430,201
Gross value of sales	\$ 994,835	1,664,709	3,833,127	197,686,004	302,337	204,481,012
Cost of fuel and electricity	\$ 46,147	25,729	232,896	2,130,906	11,495	2,447,173
Cost of process supplies used	\$ 18,270	3,787	179,288	2,819,411	—	3,020,756

1. Data for New Brunswick are included in the Natural Gas Industry.

2. Includes wells still drilling and dry wells completed in year specified.

3. Includes 26 in New Brunswick.

4. Includes 267 gas wells.

TABLE 3. Production of Crude Petroleum, by Provinces, 1952 and 1953

Province	1952		1953	
	Barrels	\$	Barrels	\$
New Brunswick	14, 237	19, 932	14, 738	20, 633
Ontario	191, 814	641, 037	299, 685	994, 835
Manitoba	104, 826	229, 299	653, 514	1, 714, 806
Saskatchewan.....	1, 696, 505	2, 256, 352	2, 797, 888	3, 833, 107
Alberta	58, 915, 723	139, 512, 432	76, 816, 383	193, 761, 644
Northwest Territories	314, 217	379, 160	316, 689	257, 251
Canada	61, 237, 322	143, 038, 212	80, 898, 897	200, 582, 276

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1951-1953

Field	1951	1952	1953	Field	1951	1952	1953
Barrels				Barrels			
Acheson	918, 158	2, 016, 855	2, 497, 850	Jumping Pound	41, 936	67, 257	96, 033
Alliance.....	7, 271	16, 181	25, 594	Leduc-Woodbend.....	13, 743, 118	17, 845, 212	21, 360, 474
Armena-Camrose.....	63, 078	1, 307, 526	3, 257, 720	Legal	—	—	68, 687
Armisie	25, 293	103, 594	78, 956	Lloydminster.....	900, 469	1, 057, 354	1, 059, 552
Barons	22, 788	33, 693	44, 372	Malmo	—	270, 474	671, 785
Barrhead	35	—	—	Morinville	—	—	5, 028
Bashaw	11, 318	56, 493	35, 049	Namao	3, 231	41, 333	81, 788
Battle	—	—	53, 856	New Norway	20, 664	287, 988	325, 142
Baxter Lake	2, 449	20, 125	41, 335	North Big Valley	—	74, 446	980, 561
Big Valley.....	155, 580	657, 875	810, 190	Oberlin.....	—	—	237
Bon Accord	14, 717	83, 526	124, 022	Peavey	—	—	46, 795
Bonnie Glen	—	743, 490	5, 550, 715	Pincher Creek.....	24, 677	51	—
Bonnyville.....	10, 184	20, 871	45, 051	Princess	92, 189	72, 970	28, 057
Campbell	60, 436	45, 650	40, 238	Redwater	23, 177, 607	23, 975, 842	23, 281, 597
Cessford	—	—	85, 903	Samson.....	—	—	14, 914
Chamberlain	—	—	29, 323	Skaro	—	7, 026	9, 345
Chauvin	—	—	90, 747	South Camrose	—	30, 799	71, 791
Clive	3, 349	33, 452	148, 919	Spring Coulee	9, 297	7, 271	6, 832
Conrad	142, 497	135, 037	126, 170	Stettler.....	606, 068	607, 078	438, 041
Del Bonita	30, 344	41, 205	38, 543	Taber	182, 449	81, 464	66, 779
Dina	12, 646	19, 694	11, 203	Turner Valley	2, 952, 307	2, 655, 007	2, 404, 967
Drumheller.....	15, 058	175, 688	278, 862	Vermilion.....	44, 557	39, 058	35, 475
Duhamel.....	184, 582	347, 140	535, 986	Wainwright.....	14, 238	27, 850	68, 726
Ellerslie	20, 774	44, 975	41, 043	West Drumheller	—	—	539, 586
Erskine	—	—	48, 897	Westerose	—	—	930, 073
Excelsior.....	723, 005	933, 644	1, 060, 555	Whitelaw	—	—	—
Fairydell	—	—	80, 842	Whitemud	25, 803	20, 010	18, 262
Fenn	9, 648	343, 766	1, 412, 996	Wizard Lake	190, 595	1, 696, 077	3, 095, 287
Glen Park	22, 443	282, 719	414, 978	Other areas	61, 618	310, 586	617, 468
Golden Spike.....	640, 972	1, 279, 103	2, 167, 636				
Joffre	—	—	28, 814	Total crude	45, 915, 384	58, 915, 723	76, 816, 383
Joseph Lake	727, 936	998, 268	1, 286, 736				

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1952 and 1953

Field	1952	1953	Field	1952	1953
Barrels			Barrels		
Cantuar	—	18, 564	Marsden.....	47, 234	38, 254
Coleville.....	275, 010	767, 045	McLaren Sparky	—	50, 090
Dollard	—	24, 586	Midale	—	15, 071
Eastend	1, 481	19, 863	Rapdan	—	23, 633
Fosterton	19, 334	67, 532	Success.....	—	124, 001
Gull Lake	—	61, 054	Wapella.....	4, 804	96, 614
Java	—	632	Waseca Sparky	—	15, 855
Lloydminster	779, 340	845, 390	Other areas.....	9, 746	73, 084
Lone Rock	547, 069	548, 221			
Maidstone Sparky.....	12, 487	8, 399	Total	1, 696, 505	2, 797, 888

TABLE 6. Production of Crude Petroleum in Ontario, by Fields, 1951-1953

Field	1951	1952	1953
	Barrels		
Petrolia and Enniskillen	39,053	36,330	35,395
Oil Springs	26,576	26,957	27,067
Moore township	1,683	1,744	2,479
Sarnia township	144	147	69
Plympton township	—	—	—
Bothwell township and Thamesville	13,135	12,035	10,227
Dover, Romney, Raleigh, Tilbury and Brooke	3,607	4,298	1,362
Onondaga	46	16	—
Mosa township	14,935	15,925	14,290
Dunwich	1,793	1,923	1,877
Dawn, Euphemia and Harwich	1,488	3,070	1,246
Warwick, Metcalfe and Aldborough townships	6,060	13,388	142,676
Sombra township	88,651	75,981	62,997
Total	197,171	191,814	299,685

TABLE 7. Production of Crude Petroleum, 1944-1953

Year	Barrels	\$	Year	Barrels	\$
1944	10,099,404	15,429,900	1949	21,305,348	61,118,490
1945	8,482,796	13,632,248	1950	29,043,788	84,619,937
1946	7,585,555	14,989,052	1951	47,615,534	116,655,238
1947	7,692,492	19,575,682	1952	61,237,322	143,038,212
1948	12,286,660	37,418,895	1953	80,898,897	200,582,276

TABLE 8. Production of Crude Petroleum, by Provinces, 1944-1953

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Barrels of 35 Imperial gallons						
1944	23,296	125,067	—	—	8,727,366	1,223,675	10,099,404
1945	30,140	113,325	—	14,374	7,979,786	345,171	8,482,796
1946	28,584	123,082	—	118,686	7,137,921	177,282	7,585,555
1947	23,129	131,295	—	540,117	6,770,477	227,474	7,692,492
1948	21,372	176,989	—	849,166	10,888,592	350,541	12,286,660
1949	19,544	260,670	—	782,188	20,087,418	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	316,689	80,898,897

TABLE 9. Production of Crude Petroleum, by Months, 1953

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Barrels of 35 Imperial gallons						
January	1,437	15,300	41,582	174,869	5,040,355	14,009	5,287,552
February	1,172	15,640	36,932	220,459	4,470,169	23,621	4,767,993
March	1,391	17,131	32,316	218,670	4,696,554	34,152	5,000,214
April	1,129	19,288	29,430	154,122	5,144,219	41,562	5,389,750
May	1,234	19,761	28,630	195,104	5,870,881	18,247	6,133,857
June	1,252	24,675	26,937	230,828	6,499,655	25,984	6,809,331
July	1,100	26,669	33,314	254,858	7,723,760	24,881	8,064,582
August	1,244	25,491	54,106	234,383	7,958,820	24,833	8,298,877
September	1,322	32,205	64,314	280,957	7,819,957	36,599	8,235,354
October	1,284	33,030	78,779	271,227	6,815,591	37,308	7,237,219
November	1,061	34,138	109,347	265,813	7,162,310	23,818	7,596,487
December	1,112	36,357	117,827	296,598	7,614,112	11,675	8,077,681
Total	14,738	299,685	653,514	2,797,888	76,816,383	316,689	80,898,897

TABLE 10. Production and Sales of Natural Gasoline in Alberta, 1951-1953

		1951	1952	1953
Production—by fields:				
Jumping Pound	bbl.	13,657	19,583	33,706
Leduc-Woodbend	bbl.	43,597	67,422	82,241
Turner Valley	bbl.	457,773	492,868	486,421
Total Alberta	bbl.	515,027	579,873	602,368
Sales	bbl.	510,408	569,537	593,119
Sales	\$	1,663,854	1,662,514	1,766,307

Note. Natural gasoline is not included in the crude petroleum figures since 1950.

TABLE 11. Petroleum Wells, by Provinces, 1951-1953

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Number						
Productive wells at beginning of year:							
1951	26	1,513	—	156	1,879	24	3,598
1952	26	1,471	2	238	2,582	24	4,343
1953	26	1,381	33	390	3,372	26	5,228
Number of productive wells drilled:							
1951	—	12	5	99	819	—	935
1952	—	27	38	185	893	2	1,145
1953	—	82	66	457	1,361	2	1,968
Number of wells abandoned:							
1951	—	58	3	17	86	—	164
1952	—	64	7	33	103	—	207
1953	—	19	3	114	279	—	415
Number of dry wells drilled:							
1951	1	22	5	35	262	—	325
1952	—	36	17	102	356	—	511
1953	—	23	8	233	425	—	689
Number of productive wells in operation at end of year:							
1951	26	1,471	2	238	2,582	24	4,343
1952	26	1,381	33	390	3,372	26	5,228
1953	26	1,423	96	633	4,454	28	6,660

TABLE 12. Employees¹ and Their Earnings in the Crude Petroleum Industry, 1952 and 1953

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1952						\$	\$	\$
Ontario	29	9	104	—	142	124,433	175,295	299,728
Manitoba	6	1	10	—	17	45,118	24,984	70,102
Saskatchewan	62	24	137	1	224	305,090	648,915	954,005
Alberta	439	85	2,747	27	3,298	2,040,036	11,183,396	13,223,432
Northwest Territories	1	—	20	—	21	5,554	58,000	63,554
Canada	537	119	3,018	28	3,702	2,520,231	12,090,590	14,610,821
1953								
Ontario	33	11	104	—	148	152,914	203,721	356,635
Manitoba	12	1	28	—	41	59,514	108,042	167,556
Saskatchewan	179	42	199	—	420	698,181	704,025	1,402,206
Alberta	559	107	2,802	52	3,520	2,960,104	11,481,095	14,441,199
Northwest Territories	1	—	20	—	21	4,605	58,000	62,605
Canada	784	161	3,153	52	4,150	3,875,318	12,554,883	16,430,201

1. Employment in New Brunswick included in Natural Gas Industry.

TABLE 13. Workmen, by Months, in the Crude Petroleum Industry, 1952 and 1953 (Number on pay-roll on the last work-day of each month)

Month	1952			1953		
	Male	Female	Total	Male	Female	Total
January.....	2,944	24	2,968	3,018	49	3,067
February.....	2,901	26	2,927	3,019	49	3,068
March.....	2,922	27	2,949	3,081	49	3,130
April.....	2,907	28	2,935	2,975	50	3,025
May.....	3,054	26	3,080	3,120	51	3,171
June.....	3,072	27	3,099	3,176	52	3,228
July.....	3,124	29	3,153	3,229	53	3,282
August.....	3,067	29	3,096	3,315	52	3,367
September.....	2,962	28	2,990	3,180	53	3,233
October.....	3,073	27	3,100	3,085	55	3,140
November.....	3,012	28	3,040	3,241	54	3,295
December.....	3,006	28	3,034	3,207	54	3,261
Average.....	3,018	28	3,046	3,153	52	3,205

TABLE 14. Fuel and Electricity Used in the Crude Petroleum Industry, 1953

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines	short ton 123	1,596
(b) Imported	—	—
Sub-bituminous coal (from Alberta mines only)	short ton 3,340	31,445
Anthracite coal	—	—
Lignite coal	short ton 104	1,142
Coke (for fuel only)	—	—
Gasoline, (includes gasoline used in cars and trucks).....	Imp. gal. 1,772,475	672,289
Kerosene or coal oil.....	" 17,523	4,851
Fuel oil (does not include lubricating oil)	" 4,248,740	814,625
Wood (cords of 128 cubic feet of piled wood).....	cord 650	4,600
Gas (a) Liquefied petroleum gases (propane, etc.)	M cu. ft. 26,011	27,215
(b) Other manufactured gas	" —	—
(c) Natural gas	" 163,824	28,999
Other fuel.....	—	—
Electricity purchased for power and lighting (includes service charge)	kwh 22,455,528	860,411
Electricity purchased for other purposes (includes service charge).....	—	—
Total (cost only).....	—	2,447,173
Electricity generated (a) For own use.....	kwh 755,670	—
(b) For sale	—	—

TABLE 15. Power Equipment (Including stand-by or emergency equipment), 1953

Description	Ordinarily in use		In reserve or idle	
	Number of units	Total h.p. (according to manufacturer's rating)	Number of units	Total h.p. (according to manufacturer's rating)
1. Steam engines.....	5	325	2	1,250
2. Steam turbines	1	5	1	60
3. Diesel engines	119	25,336	15	2,746
4. Gasoline, gas and oil engines, other than Diesel engines	758	22,364	71	1,636
5. Hydraulic turbines or water-wheels.....	—	—	—	—
6. Electric motors — (except those reported under item 10):				
(a) Operated by purchased power.....	2,058	17,485	66	548
7. Total (1),(2),(3),(4),(5) and (6a).....	2,941	65,515	155	6,240
8. (b) Operated by power generated by (1),(2),(3),(4), and (5)	146	454	18	40
9. Stationary boilers for power purposes only	17	4,676	6	1,350
10. Motor-generator sets	118	1,145	10	363

TABLE 16. Imports of Petroleum, Asphalt, and Their Products, 1952 and 1953

Item	1952		1953	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not	cwt. 219,641	646,570	451,921	857,210
Asphalt oil for paving	—	—	—	—
Oil, imported by miners or mining companies, for the concentration of ores or metals	gal. 217,530	230,009	168,744	192,311
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	2,841,968	206,838,147	2,781,707	207,985,790
Crude petroleum, n.o.p.	gal. 19,192	2,080	16,654	1,541
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah., when imported by oil refiners to be refined	gal. 54,303,428	3,195,322	75,237,668	5,106,463
Fuel oil, ex-warehoused, for ships' stores	gal. 15,598,798	692,812	18,796,458	940,737
Aviation gasoline	gal. 72,428,954	13,895,589	79,861,231	16,305,335
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p.	gal. 33,814,292	4,013,338	26,708,398	3,256,297
Engine distillate, .8017 specific gravity or heavier at 60° Fah.	gal. 178,714	23,736	231,011	27,328
Gasoline, lighter than .8236 specific gravity at 60° Fah.	gal. 154,276,266	22,794,416	184,136,880	29,152,048
Natural casinghead, compression or absorp- tion gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° Fah., when im- ported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	gal. 23,501,268	2,433,895	27,610,165	3,165,438
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	gal. 14,120,488	2,731,861	23,595,576	4,391,499
Lubricating oils, 25 cents and over	gal. 17,181,114	6,336,684	11,351,934	4,654,771
Oils, mineral, n.o.p.	gal. 2,436,490	3,217,696	2,618,120	3,376,397
Stove oil, No. 1 fuel oil	gal. 82,560,140	9,571,041	106,812,256	12,436,966
Light fuel oils, Nos. 2 and 3	gal. 266,037,963	27,949,749	275,707,181	27,778,738
Heavy fuel oils, Nos. 4, 5 and 6	gal. 308,551,855	18,187,582	267,744,747	16,128,933
Diesel fuel	gal. 86,204,845	8,506,898	71,166,322	7,865,673
Tractor fuel	gal. 235	36	—	—
Petroleum greases and lubricating greases, n.o.p.	lb. 18,163,012	1,501,248	20,193,059	1,850,603
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes	—	591,603	---	603,623
Paraffin wax	lb. 30,290,450	1,957,224	36,816,140	2,189,061
Paraffin wax candles	lb. 234,929	66,426	309,536	93,729
Products of petroleum, n.o.p.	gal. 5,932,173	2,285,920	14,570,878	3,632,530
Liquefied petroleum gases	lb. 191,700,940	2,899,786	263,070,780	3,530,232
Naphtha, including solvent naphtha	gal. 6,409,320	1,392,781	12,812,190	2,526,073

TABLE 17. Exports of Petroleum and its Products, 1952 and 1953

Item	1952		1953	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude	gal. 49,855,950	3,452,231	87,755,990	6,227,828
Oil, coal and kerosene, refined	gal. 2,754	653	1,998	508
Gasoline and naphtha	gal. 32,083,079	5,035,108	166,676	37,576
Fuel oil	gal. 132,254	21,254	5,513,958	428,700
Lubricating oil	gal. 87,980	194,856	25,645	32,015
Oil, mineral, n.o.p.	gal. 12,568	8,375	8,870	10,196
Wax, mineral	cwt. 20,416	180,715	5,254	36,008

TABLE 18. Canadian Crude Petroleum Supply, 1939-1953

Year	Canadian production	Imports	Exports ¹	Apparent supply
Barrels of 35 Imperial gallons				
1939	7,826,301	37,094,823	—	44,921,124
1940	8,590,978	42,623,484	—	51,214,462
1941	10,133,838	46,791,026	—	56,924,864
1942	10,364,796	44,120,212	—	54,485,008
1943	10,052,302	49,753,782	—	59,806,084
1944	10,099,404	57,047,826	—	67,147,230
1945	8,482,796	56,806,214	—	65,289,010
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043

1. Exports were comparatively small prior to 1951 and may be neglected.

TABLE 19. Receipts of Crude Petroleum by Canadian Refineries, 1949-1953

Year	Maritimes and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and Northwest Territories	British Columbia	Canada
Barrels					
1949:					
Canadian	—	258,371	20,251,860	—	20,510,231
Imported	41,644,735	25,583,887	932,396	7,287,887	75,448,905
Total	41,644,735	25,842,258	21,184,256	7,287,887	95,959,136
1950:					
Canadian	—	248,584	26,069,133	—	26,317,717
Imported	48,677,917	25,050,077	230,878	7,832,059	81,790,931
Total	48,677,917	25,298,661	26,300,011	7,832,059	108,108,648
1951:					
Canadian	—	13,855,078	33,330,847	—	47,185,925
Imported	59,054,655	15,943,314	90,516	8,051,088	83,139,573
Total	59,054,655	29,798,392	33,421,363	8,051,088	130,325,498
1952:					
Canadian	—	20,030,188	38,355,581	508,862	58,894,631
Imported	61,373,935	13,657,565	29,042	7,406,780	82,467,322
Total	61,373,935	33,687,753	38,384,623	7,915,642	141,361,953
1953:					
Canadian	—	22,954,227	43,711,979	2,679,381	69,345,587
Imported	64,439,523	11,066,468	7,446	5,892,673	81,406,110
Total	64,439,523	34,020,695	43,719,425	8,572,054	150,751,697

TABLE 20. World Crude Oil Production, 1951-1953
(From "World Petroleum")

	1951	1952	1953		1951	1952	1953
	thousands of barrels daily				thousands of barrels daily		
North America:				Europe—concluded:			
United States	6,149.0	6,252.4	6,454.0	Yugoslavia	3.2	3.2	3.0
Canada	130.5	166.4	220.2	Italy	0.4	1.0	1.9
Mexico	210.2	211.8	196.6	Total (excluding U.S.S.R.)	214.9	226.6	250.6
Total	6,489.7	6,630.6	6,780.8	U.S.S.R.	842.0	940.0	1,040.0
				Total	1,056.9	1,153.7	1,290.6
South America:				Near & Middle East:			
Venezuela	1,704.6	1,796.6	1,760.8	Iran	350.0	31.5	25.2
Colombia	105.3	107.2	108.1	Saudi Arabia	761.5	821.8	845.0
Argentina	66.9	67.0	76.9	Iraq	174.6	372.5	574.9
Trinidad	57.1	57.3	60.8	Kuwait	563.0	750.1	860.0
Peru	44.0	44.6	44.6	Bahrein	30.0	30.0	30.0
Ecuador	7.4	7.8	7.9	Qatar	49.6	67.3	88.7
Bolivia	1.4	1.5	1.4	Egypt	44.7	45.2	46.7
Cuba	0.3	0.3	0.1	Turkey	0.4	0.5	0.6
Brazil	1.9	2.2	2.7	Total	1,973.8	2,118.9	2,471.1
Chile	2.0	2.0	3.2				
Total	1,990.9	2,086.3	2,066.5	Far East & Oceania:			
Western Hemisphere	8,480.6	8,716.9	8,937.3	Indonesia	151.7	168.7	202.4
				British Borneo	103.0	104.8	100.4
Europe:				New Guinea	4.8	4.6	4.8
Romania	100.0	90.0	92.5	India	5.3	5.2	6.5
Austria	44.0	43.5	59.5	Pakistan	3.6	4.1	4.4
Germany	26.5	33.4	42.3	Burma	2.2	2.2	2.5
Hungary	10.5	9.5	14.0	Japan	6.4	5.8	5.7
Poland	3.7	3.8	4.0	China	2.0	2.0	2.5
Netherlands	13.6	13.7	15.5	Total	279.0	297.4	329.2
Albania	3.0	3.0	3.0	Eastern Hemisphere	3,309.7	3,570.0	4,090.9
France	5.6	7.0	7.1	World total	11,790.3	12,336.7	13,028.2
French Morocco	1.6	2.0	2.1				
United Kingdom	0.9	1.1	1.1				
Czechoslovakia	1.9	2.5	2.5				
Algeria	—	0.8	2.1				

Crude Petroleum Producers, 1953

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton	Stoney Creek
Ontario¹:		
Albot Gas & Oil Limited	10 Adelaide St. E., Toronto	Aldborough
Aldborough Oil & Gas Co.	Rodney	Aldborough
Ayrheart, E. J.	Oil Springs	Petrolia and Enniskillen
Barnes, A. G.	Petrolia	Petrolia and Enniskillen
Bradford Oil & Gas Co.	Rodney	Aldborough
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Canadian Oil Companies Limited	204 Richmond St. W., Toronto 1	Petrolia and Enniskillen
Cole, W. J.	Petrolia	Petrolia and Enniskillen
Comfort, Alex. ²	102 Inshes Ave., Chatham	Dover
Copeland, Mrs. R.	Petrolia	Petrolia and Enniskillen
Corey, H.	Petrolia	Petrolia and Enniskillen
Crown Oil & Gas Company	Rodney	Aldborough
Demaray & Nichols	Oil Springs	Euphemia
DeMers, N. E.	Oil Springs	Petrolia and Enniskillen
Dennis, Mrs. L.	Oil Springs	Petrolia and Enniskillen
Dillon, T.	Leamington	Petrolia and Enniskillen
Dominion Natural Gas Co. Ltd.	315 Colborne St., Brantford	Aldborough and Dunwich
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F. H.	Petrolia	Petrolia and Enniskillen
Fairbank, H. H., Estate	Petrolia	Petrolia and Enniskillen
Hamlin, F. G.	Petrolia	Petrolia and Enniskillen
Heal, A. A.	Watford	Warwick and Adelaide
High Grade Natural Gas Co. Ltd.	215 King St. W., Chatham	Dover
Holmes, E. B.	Bothwell	Zone
Imperial Oil Ltd.	56 Church St., Toronto	Sombra, Euphemia, Mosa and Moore
Irwin, Foster	Petrolia	Petrolia and Enniskillen
Johnson, E.	Petrolia	Petrolia and Enniskillen
Kells, E. E.	Petrolia	Petrolia and Enniskillen
Kerr, J. J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E. A.	Bothwell	Zone
Lather, D. C.	Thamesville	Euphemia
Lennah, Lloyd A.	Petrolia	Petrolia and Enniskillen
Lewis & Lewis	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
Marcus, L.	Wallacetown	Dunwich
McCutcheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McGaffey, E. ²	Bothwell	
McRoberts & March	Bothwell	Zone
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H. M.	Oil Springs	Petrolia and Enniskillen
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Pope, H. O.	Bothwell	Zone

1. Producer of 300 barrels or more during the year.

2. Producer and driller.

Crude Petroleum Producers, 1953 - Continued

Name	Address	Location of field
Ontario¹ - concluded:		
Pope, Wm.	Bothwell	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover East and Raleigh
Roth, E. L.	114 Hillsdale St., Hillsdale, Mich., U.S.A.	Aldborough and Brooke
Saroline Oil Co.	Petrolia	Petrolia and Enniskillen
Shain, Viola	Petrolia	Petrolia and Enniskillen
Slack, C. M.	Petrolia	Petrolia and Enniskillen
Stanley & McCrie	Bothwell	Camden Gore
Sutherland, B. M.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Warwick, Joseph	Oil Springs	Petrolia and Enniskillen
Whitlock, B.	Petrolia	Petrolia and Enniskillen
Wilson-Sullivan Development Co.	112 S. Christina St., Sarnia	Warwick
Woodward, Wm.	Oil Springs	Petrolia and Enniskillen
Yerks, Frank	Petrolia	Petrolia and Enniskillen
Manitoba:		
British American Oil Company Limited	Bay & College Sts., Toronto, Ont.	Roselea
California Standard Company	Medical Arts Bldg., Calgary, Alta.	Viriden
Canadian Pipe Line Producers Limited	213-6th Ave. W., Calgary, Alta.	Viriden
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alta.	Viriden
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary, Alta.	Daly
Imperial Oil Limited	56 Church St., Toronto, Ont.	Viriden
McIvor Drilling Co. ²	Viriden	Viriden
Pascars Oils Limited	516 Toronto General Trusts Bldg., Winnipeg	Coulter
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alta.	Lulu Lake
Souris Valley Oil Co. Ltd.	201 Avenue Building, Winnipeg	Viriden and Daly
Saskatchewan:		
Albercan Oil Corporation	940-8th Ave. W., Calgary, Alta.	Lone Rock
Alminster Oils Ltd.	73 Adelaide St. W., Toronto, Ont.	Lloydminster
American Northland Oil Co.	127 Montgomery St., San Francisco 4, California, U.S.A.	Lloydminster and Silverdale
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary, Alta.	Gull Lake
Barlow Bros. Ltd.	735-32nd St. W., Calgary, Alta.	Lloydminster
Barnhill Syndicate, 2 & 3	Lloydminster	Silverdale
Bata Petroleum Ltd.	Unity	Unity
Beaver State Wilrich Excelsior Ltd.	222 Tegler Bldg., Edmonton, Alta.	Silverdale
Canso Oil Producers Ltd.	940-8th Ave., Calgary, Alta.	Lloydminster
Cavalcade Oils	150-1st Ave. S., Saskatoon	Lloydminster
Community Services Ltd.	Lloydminster	Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited.	569 Howe St., Vancouver, B.C.	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, B.C.	Lloydminster
Cyprus, N.	150-1st Ave. S., Saskatoon	Lloydminster
Domestic Oil Producer	703-5th St. W., Calgary, Alta.	Lloydminster
Do-Mor Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alta.	Lloydminster
Donna Oils	150-1st Ave. S., Saskatoon	Dulwich
Edoran Oil Corp. Ltd.	709-8th Ave. W., Calgary, Alta.	Lloydminster
Excelsior Refineries Ltd.	227 Tegler Bldg., Edmonton, Alta.	Lloydminster
Fargo Oils Ltd.	133-6th Ave. E., Calgary, Alta.	Lone Rock, Silverdale and Epping
Franco Castle Syndicate	678 Howe St., Vancouver, B.C.	Lloydminster

1. Producer of 300 barrels or more during the year.

2. Producer and driller.

Crude Petroleum Producers, 1953 — Continued

Name	Address	Location of field
Saskatchewan — concluded:		
Humboldt Petroleum Syndicate	Humboldt	Lloydminster
Husky Oil & Refining Ltd.	630-8th Avenue W., Calgary, Alta.	Lloydminster
Ibstone Petroleum Limited	North Battleford	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ont.	Various
Karels & Rennie	Swift Current	Lloydminster
Liberal Petroleum Ltd.	Box 638, Edmonton, Alta.	Lone Rock
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Manitou Syndicate	Lloydminster	Lloydminster and Silverdale
Marion Oils Limited	712 McCallum-Hill Bldg., Regina	Lloydminster
Marshall Petroleum Ltd.	602 Bamlett Bldg., Calgary, Alta.	Lloydminster
Medhurst & Coverdale	1134-8th Ave. W., Calgary, Alta.	Silverdale
Monogram Petroleum Ltd.	402-100 Adelaide St. W., Toronto, Ont.	Lloydminster
Mowat, R. D., Limited	10454-82nd Ave., Edmonton, Alta.	Lloydminster
New Devon Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alta.	Lloydminster
Oilwell Operators Ltd.	232 Lougheed Bldg., Calgary, Alta.	Moose
Parosity Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alta.	Dulwich
Republic Oils Ltd.	Hardy	Lloydminster
Ribstone Valley Petroleum Ltd.	80 King St. W., Toronto, Ont.	Lloydminster
Rogers-Bailey Syndicate	5 Beaver Hotel Bldg., North Battleford	Lloydminster
Rogers, A. S.	Lloydminster	Silverdale
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alta.	Coleville
Saskatoon Petroleum	150-1st Ave. S., Saskatoon	Lloydminster
Shell Oil Company	Box 100, Calgary, Alta.	Midale
Socony-Vacuum Oil Co. of Canada, Ltd.	Barron Bldg., Calgary, Alta.	Various
Sohio Petroleum Company	11th & Albert St., Regina	Wapella and Fosterton
Tide Water Associated Oil Company	Royal Bank Bldg., Regina	Various
Trans Empire Oils Ltd.	627-8th Ave. W., Calgary, Alta.	Buffalo Coulee
Trans-Western Oils Ltd.	631 Hornby St., Vancouver, B.C.	Lloydminster
Twin River Petroleum (Alta.) Ltd.	222 Tegler Bldg., Edmonton, Alta.	Dulwich
Wagner Holding & Development Limited	101 Northgate Bldg., Edmonton, Alta.	Dulwich
Wilrich Petroleum Ltd.	66 King St. W., Toronto, Ont.	Lloydminster
Withers-Groat Syndicate	Tisdale	Lloydminster
Yukon Oils Ltd.	10454-82nd Ave., Edmonton, Alta.	Lloydminster
Alberta:		
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Leduc-Woodbend and Acheson
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Alberta Washington Petroleum Limited	118 McFarland Bldg., Lethbridge	Del Bonita
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	513-8th Ave. W., Calgary	Redwater
American Leduc Petroleum Ltd.	10168-100th St., Edmonton	Bashaw
Amurex Oil Development Co.	703-5th St. W., Calgary	Cessford
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary	Stettler
Anglo-Canadian Oil Company Limited ..	900 Lancaster Bldg., Calgary	Turner Valley and Elk Point
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Armistie Oil Co. Ltd.	205 Mercantile Bldg., Edmonton	Armistie
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Bailey, Selburn Oil & Gas Ltd.	901-8th Avenue W., Calgary	Leduc

1. Producer of 300 barrels or more during the year.
2. Producer and driller.

Crude Petroleum Producers, 1953 — Continued

Name	Address	Location of field
Alberta — continued:		
Barons Oil Limited	305 Foothills Bldg., Calgary	Barons
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Leduc-Woodbend
Bay Petroleum Corporation	Box 957, Denver, Colorado, U.S.A.	Leduc
Big Five Petroleums Ltd.	Box 114, Edmonton	Leduc-Woodbend
British American Oil Company Limited ¹	King & Young Sts., Toronto, Ont.	Turner Valley and Redwater
British Petroleums Limited	404-6th Ave. W., Calgary	Leduc-Woodbend
California Standard Company	200 Greyhound Bldg., Calgary	Taber, Conrad and Princess
Calmar West Oils Ltd.	420 Empire Bldg., Edmonton	Leduc
Calmont Oils Limited	906 Lancaster Bldg., Calgary	Leduc and Turner Valley
Calvan Consolidated Oil & Gas Company Limited.	624-9th Ave. W., Calgary	Various
Calwin-Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Canadian Atlantic Oil Company Ltd.	700 Petroleum Bldg., Calgary	Leduc
Canadian Bishop Oil Ltd.	209-211 Bamlett Bldg., Calgary	Redwater
Canadian Delhi Oil Ltd.	1004 Barron Bldg., Calgary	Vermilion
Canadian Fina Oil Limited	407 Bamlett Bldg., Calgary	Bulwark
Canadian Gulf Oil Company	Tulsa 2, Okla., U.S.A.	Pincher Creek, Redwater and Stettler.
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary	Various
Canadian Superior Oil of California Ltd. ..	627-8th Ave. W., Calgary	Excelsior
Cannar Oils Ltd.	11 Michael Bldg., Calgary	Vermilion
Canroc Oils Ltd.	108 Baltzan Bldg., Edmonton	Leduc
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary	Bon Accord and Stettler
Castle Oil & Gas Ltd.	231-8th Ave. W., Calgary	Leduc-Woodbend
Chamberlain Oil & Gas Ltd.	237 Tegler Bldg., Edmonton	Chamberlain
Coastal Oils Limited	232 Loughheed Bldg., Calgary	Turner Valley
Commoil Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Drilling Company Limited ²	4 Clarence Blk., Calgary	
Commonwealth Petroleum Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, B.C.	Leduc
Consolidated East Crest Oil Company Limited	735-8th Ave. W., Calgary	Turner Valley
Consolidated Peak Oils Limited	569 Howe St., Vancouver, B.C.	Lloydminster
Consumers' Co-operative Refineries Limited	211 Avenue D North, Saskatoon, Sask.	Leduc-Woodbend
Consumers' Exploration Company Limited	211 Ave. D North, Saskatoon, Sask.	Princess
Crest Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Daveroy Oil Co. Ltd.	10439-82nd Ave., Edmonton	Camrose
Dempsey Oils Limited	109 Canadian Bank of Commerce Bldg., Calgary	Leduc-Woodbend
Desilets, A.A.	Kitscoty	Lloydminster, Blackfoot
Dome Exploration (Western) Ltd.	528-9th Ave. W., Calgary	Redwater, Drumheller, Armena
Do-Mor Petroleums Ltd.	308 Northgate Bldg., Edmonton	Leduc
Dundee Oils Ltd.	Royal Bank Bldg., Edmonton	Leduc
Eastside Petroleums Ltd.	1210-11th Ave. W., Calgary	Turner Valley
Edmonton-Wainwright, Oils Ltd.	8 McDougall Court, Edmonton	Wainwright
Eldon Royal American Model	201 Lancaster Bldg., Calgary	Legal
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Exterior Petroleums Ltd.	Kitscoty	Lloydminster
Federal Oils Syndicate	605 Lancaster Bldg., Calgary	Princess
Federated Petroleums Ltd.	232 Loughheed Bldg., Calgary	Turner Valley

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1953 — Continued

Name	Address	Location of field
Alberta — continued:		
Flank Petroleums Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Flier's Oil Limited	81 St. George's Crescent, Edmonton	Leduc
Foothills Oil & Gas Company Limited....	232 Lougheed Bldg., Calgary	Turner Valley
Futurity Oils Limited	200 Greyhound Bldg., Calgary	Leduc
Garven Drilling & Development Ltd.	11328 Jasper Ave., Edmonton	Blackfoot
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
General Petroleums of Canada Limited..	224-9th Ave. W., Calgary	Leduc-Woodbend
Godfrey-Lehman Lloydminster Syndicate	304 Lancaster Bldg., Calgary	Lloydminster
Golden Spike Western Petroleums Ltd. ..	809 Centre St., Calgary	Armena, Camrose
Granleduc Oils (Alberta)Ltd.	227 Tegler Bldg., Edmonton	Lloydminster
Granville Oils Limited	122-8th Ave. W., Calgary	Turner Valley
Great Plain's Development Company of Canada Ltd.	528-9th Ave. W., Calgary	Drumheller, Leduc and Joffre
Hales Oil & Gas Ltd.	735-8th Ave. W., Calgary	Whitemud
Harris Wells Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Henderson Oil Holding Ltd.	704 Centre St., Calgary	Kitscoty
High Crest Oils Limited	609 Herald Bldg., Calgary	Campbell
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley, Leduc and Red- water
Hudson's Bay Oil & Gas Co. Ltd.	534-8th Ave. W., Calgary	Leduc and Turner Valley
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ont.	Turner Valley, Leduc, Wood- bend, Redwater, Lloydminster and Viking-Kinsella
Independent Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
K de K Drilling Corp.	11 Michael Bldg., Calgary	Vermilion
Kamalta Well Operators Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Limited	1718 West 5th Ave., Vancouver, B. C.	McLeod
Keno Oils Ltd.	10182-103rd St., Edmonton	Leduc
L. B. Oils Limited	Municipal Airport, Edmonton	Leduc and Woodbend
Leader Petroleums Ltd.	818-8th Ave. W., Calgary	Leduc
Leduc Calmar Oil Co. Ltd.	131-11th Ave. W., Calgary	Leduc
Legion Oils Limited	304 Grain Exchange Bldg., Calgary	Redwater
Leo Oil & Gas Ltd.	237 Tegler Bldg., Edmonton	Wainwright
Liberal Petroleums Ltd.	Box 638, Edmonton	Blackfoot, Lloydminster
Lloydminster Development Company Ltd.	Lloydminster	Lloydminster
Locksley Petroleums Ltd.	Edmonton	Leduc
Major National Oils Limited	407 Lancaster Bldg., Calgary	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Marjack Oils Ltd.	10125-101st St., Edmonton	Leduc
Marlea Oils Ltd.	223-7th Ave. E., Calgary	Lea Park
Maryland Petroleums Limited	309-8th Ave. W., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
McGregor Mitchell Oils Ltd.	11546 Jasper Ave., Edmonton	Leduc and Woodbend
Melton Petroleums Ltd.	10154-103rd St., Edmonton	Leduc and Acheson
Mercury Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Merrill Petroleums Limited	510A-8th Ave. W., Calgary	Leduc
Metro Oil & Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Mic Mac Oils Ltd.	11536 Jasper Ave., Edmonton	Leduc, Joarcum and Legal
Mill Creek Oil Co. Ltd.	509-3rd St. W., Calgary	Namao
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley

1. Operated an absorption plant.
2. Drilling only.

Crude Petroleum Producers, 1953 — Continued

Name	Address	Location of field
Alberta — continued:		
Miracle Royalties Wells & Valley Oils ..	301 Lancaster Bldg., Calgary	Turner Valley
Mitmor Oil & Gas Ltd.	213-6th Ave. W., Calgary	Erskine
Model Oils Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Montalban Oils Ltd.	512 Alexandra Bldg., Edmonton	Barons
Morgro Oil Operators Ltd.	Peace River	Lloydminster
National Petroleum Corp. Ltd.	401 Leeson-Lineham Bldg., Calgary	Turner Valley and Del Bonita
Nationwide Minerals Ltd.	129 Adelaide St. W., Toronto, Ont.	Lloydminster
New British Dominion Oil Co. Ltd.	304 Toronto General Trusts Bldg., Calgary ..	Turner Valley
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleum Ltd.	409 Lancaster Bldg., Calgary	Turner Valley
New Devon Petroleum Ltd.	308 Northgate Bldg., Edmonton	Leduc and Erskine
New Pacalta Oils Co. Ltd.	80 King St. W., Toronto, Ont.	Whitemud
New Richfield Petroleum Ltd.	1002 Lancaster Bldg., Calgary	Leduc and Campbell
New Superior Oils of Canada Limited ...	224-9th Ave. W., Calgary	Joseph Lake, Lloydminster, Redwater and Drumheller
Northwell Operators Limited	904 Lancaster Bldg., Calgary	Redwater and Woodbend
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A. ...	Redwater
Oil City Petroleum Ltd.	11902-74th Ave., Edmonton	Leduc
Oilwell Operators Limited	232 Lougheed Bldg., Calgary	Erskine
Okalta Oils Limited	Renfrew Bldg., Calgary	Turner Valley and Leduc
Pacific Petroleum Ltd.	700 Petroleum Bldg., Calgary	Turner Valley, Princess, Red- water and Excelsior
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary	Lloydminster
Paige Petroleum Limited	85 Richmond St. W., Toronto, Ont.	Lloydminster
Pan Western Oils Limited	940 Eighth Ave. W., Calgary	Leduc
Paragon Oils Limited	118 McFarland Bldg., Lethbridge	Del Bonita
Paul Guthrie Development Limited	10460-111th St., Edmonton ...	Woodbend
Petcal Ltd.	528-9th Ave. W., Calgary	Various
Petro-Uranium of Canada Ltd.	718-5th St. W., Calgary	Leduc
Ponder Oils Ltd.	402 Bamlett Bldg., Calgary	Leduc and Woodbend
Ponoka Calmar-American Leduc Oils ...	308 Northgate Bldg., Edmonton	Leduc
Premium Petroleum Ltd.	525 Seymour St., Vancouver, B.C.	Lloydminster
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary	Leduc and Morinville
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary	Turner Valley
Renfrew Producers & Operators Ltd.	818-8th Ave. W., Calgary	Various
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary	Turner Valley
Rio-Prado Consolidated Oils Limited ...	129-6th Ave. E., Calgary	Chauvin and Red Coulee
Royal American Oil Co. Ltd.	7911-101st St., Edmonton	Leduc-Woodbend and Legal
Royal Canadian Oils Ltd.	615 Credit Foncier Bldg., Vancouver, B.C..	Turner Valley and Lloydminster
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	239-6th Ave. W., Calgary	Turner Valley
Sage Oil Company Limited	10824-82nd Ave., Edmonton	Leduc and Rosenheim
Sasko-Wainwright Oil & Gas	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	714 First National Bldg., Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Oils Limited	624-9th Ave. W., Calgary	Leduc
Seaboard Oil Company	630-8th Ave. W., Calgary	Redwater
Security Freehold Petroleum Ltd.	Nanton Bldg., Winnipeg, Man.	Leduc
Selbay Exploration Ltd.	901-8th Ave. W., Calgary	Joffre

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1953 — Concluded

Name	Address	Location of field
Alberta — concluded:		
Shamrock Oils	Lloydminster	Lloydminster
Shannon Oils Ltd.	10454-82nd Ave., Edmonton	Lloydminster
Share Oils Ltd.	302 Toronto General Trusts Bldg., Calgary..	Turner Valley
Shell Oil Co. of Canada Ltd.	25 Adelaide St., Toronto, Ont.	Jumping Pound
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Camrose and Legal
Socony-Vacuum Oil Co. of Canada Ltd..	Barron Bldg., Calgary	Duhamel
Southwest Petroleum Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Sovereign Royalties Limited	409-Third St. W., Calgary	Turner Valley
Sparmac Petroleums Limited	100 Alexandra Bldg., Edmonton	Ellerslie
Stanolind Oil and Gas Company	308-9th Ave. W., Calgary	Various
Sturgeon Petroleums Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Sun Oil Company	Barron Bldg., Calgary	New Norway
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary ..	Turner Valley
Tangent Oils Ltd.	204 Wilson Electric Bldg., Calgary	Blackfoot
Taylor Petroleum Operators Ltd.	627-8th Ave. W., Calgary	Leduc and Stettler
Texaco Exploration Company	237-7th Ave. W., Calgary	Redwater and Calmar
Trident Drilling Co. Ltd.	803-8th St. W., Calgary	Wainwright
Trinidad Leaseholds (Canada) Ltd.	184 Bay St., Toronto, Ont.	Leduc
Tri-Tor Oils Ltd.	1410 Stanley St., Montreal, Que.	Bonnyville and Cold Lake
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Union Oil Co. of California	709-8th Ave. W., Calgary	Fairydell
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Vanalta Limited	Johnston St., Granville Island, Vancouver, B.C.	Leduc-Woodbend
Vanlorne Oils Ltd.	Royal Bank Bldg., Edmonton	Leduc
Vanpeg Royalties Well No. 1	301 Lancaster Bldg., Calgary	Turner Valley
Wain-Con Oils Limited	112 Thomas Bldg., Edmonton	Wainwright
Wainwright Petroleums Ltd.	10625-99th Ave., Edmonton	Wainwright
Wainwright Producers & Refiners Ltd.	Wainwright	Wainwright
Wakefield, E. F.	307 Union National Bank Bldg., Wichita, Kansas, U. S. A.	Leduc and Woodbend
West Canadian Petroleums Ltd.	709-8th Ave. W., Calgary	Various
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Redwater
Western Petroleums Operators Limited ..	406 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.	213-6th Ave. W., Calgary	Leduc
Westside Royalties Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc and Alliance
Widney Oil & Drilling Co. Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Wilderman-Jones Drilling Ltd.	220 Blow Bldg., Calgary	Leduc
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Yeske Petroleums Ltd.	509 Imperial Bank Bldg., Edmonton	Leduc
York Oils Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Yorkton Investors Syndicate	Yorkton	Lloydminster
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

1. In addition to operating and drilling wells in the Turner Valley field, this company operates an absorption plant.

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1953 amounted to 100,985,923 thousand cubic feet valued at \$10,877,017. These figures include the natural gas sold for domestic, industrial and other uses, and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste and meter differences, was valued at a nominal wellhead price.

In Alberta, the Turner Valley field was the chief producer at 27,103,751 M cubic feet and the Viking-Kinsella field was next with 17,861,188 M cubic feet. Output increased in Saskatchewan to

1,422,128 M cubic feet and in Ontario to 9,708,969 M cubic feet, but the production in New Brunswick declined slightly.

There were 2,769 persons employed to whom \$8,073,532 were paid in salaries and wages. Fuel cost \$248,766 and 1,713,358 kwh of electricity were purchased for \$42,600. Process supplies used were valued at \$45,911.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry. Firms which did not have producing wells may not have been included in this compilation.

TABLE 21. Principal Statistics for the Natural Gas Industry, 1944-1953

Year	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1944	211	3,621	1,810	2,885,654	188,003	13,149	9,772,357
1945	218	3,748	1,890	2,993,091	227,514	18,298	10,860,594
1946	219	3,825	1,655	2,491,361	226,980	21,457	10,588,175
1947	186	3,799	1,784	3,057,249	220,344	19,975	12,333,332
1948	175	3,833	1,831	2,918,941	62,580	4,485	14,689,737
1949	184	3,927	2,223	4,713,266	58,960	4,552	17,582,512
1950	196	3,991	2,618	5,703,524	130,504	55,676	6,444,215
1951	201	3,985	2,658	6,491,234	126,301	48,583	6,691,223
1952	191	4,132	2,573	7,296,092	95,722	240,944	5,854,051
1953	196	3,688	2,769	8,073,532	291,366	45,911	6,856,501

1. See footnote to Table 22.

TABLE 22. Principal Statistics, by Provinces, 1952 and 1953

Province	Number of firms	Number of wells ¹	Average number of employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross selling value of products
				\$	\$	\$	\$
1952							
New Brunswick	2	39	58	159,603	7,528	—	169,803
Ontario	166	3,858	1,419	3,983,753	11,572	207,740	3,320,876
Saskatchewan	1	5	13	34,844	1,940	—	27,176
Alberta	22	230	1,083	3,117,892	74,682	33,204	2,336,196
Canada	191	4,132	2,573	7,296,092	95,722	240,944	5,854,051
1953							
New Brunswick	2	39	53	149,611	4,172	2,000	151,777
Ontario	167	3,377	1,508	4,197,876	17,235	8,992	3,883,588
Saskatchewan	2	7	15	40,746	2,933	—	21,629
Alberta	25	265	1,193	3,685,299	267,026	34,919	2,799,507
Canada	196	3,688	2,769	8,073,532	291,366	45,911	6,856,501

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

TABLE 23. Production of Natural Gas, 1944-1953

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1944	45,067,158	11,422,541	1949	60,457,177	11,620,302
1945	48,411,585	12,309,564	1950	67,822,230	6,433,041
1946	47,900,484	12,165,050	1951	79,460,667	7,158,920
1947	52,656,567	13,429,558	1952	88,686,465	9,517,638
1948	58,603,269	15,632,507	1953	100,985,923	10,877,017

TABLE 24. Production of Natural Gas, by Provinces, 1944-1953

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	M cubic feet					
1944	702,464	7,082,508	119,116	37,161,570	1,500	45,067,158
1945	653,230	7,199,970	163,824	40,393,061	1,500	48,411,585
1946	541,010	7,051,309	209,569	40,097,096	1,500	47,900,484
1947	489,810	7,785,921	274,193	44,106,643	—	52,656,567
1948	420,352	8,590,429	477,271	48,965,217	150,000	58,603,269
1949	375,035	8,024,213	812,916	51,179,779	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	26,109	100,985,923

TABLE 25. Production¹ of Natural Gas, by Provinces, 1952 and 1953

Province	1952		1953	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	202,042	150,073	177,112	131,368
Ontario	8,302,190	3,320,876	9,708,969	3,883,588
Saskatchewan	1,007,491	100,749	1,422,128	127,992
Alberta	79,149,895	5,936,242	89,651,605	6,723,870
Northwest Territories	24,847	9,698	26,109	10,199
Canada	88,686,465	9,517,638	100,985,923	10,877,017

1. Sold and used by producers.

TABLE 26. Production¹ of Natural Gas, by Months and by Provinces, 1953

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
	M cu. ft.				
January	18,949	1,201,327	112,554	10,587,950	11,921,886
February	17,749	1,085,869	107,312	8,033,554	9,245,963
March	18,899	1,071,999	110,617	8,385,348	9,589,577
April	15,819	847,707	89,206	7,555,681	8,511,119
May	15,023	701,312	89,464	6,249,776	7,058,043
June	12,102	565,040	79,332	5,350,473	6,011,037
July	9,795	464,041	75,666	4,965,482	5,516,752
August	10,443	458,144	87,020	5,186,684	5,745,640
September	11,640	540,972	89,086	6,044,686	6,688,895
October	14,936	723,732	97,335	7,315,935	8,153,476
November	14,794	945,486	146,081	9,146,621	10,254,017
December	16,963	1,103,340	238,455	10,829,415	12,289,518
Total	177,112	9,708,969	1,422,128	89,651,605	100,985,923

1. Sales and consumption by producers.

2. Includes 26,109 M cu. ft. in the Northwest Territories.

TABLE 27. Production of Natural Gas in Alberta, by Fields, 1953

Field	M cu. ft.	Field	M cu. ft.
Fakowki Lake	9,697,353	Turner Valley	27,103,751
Jumping Pound	10,425,400	Viking-Kinsella, Wainwright	17,861,188
Leduc-Woodbend	10,473,926	Other fields and areas	8,301,569
Medicine Hat, Redcliff	5,788,418	Total Alberta	89,651,605

Note: Does not include waste gas and meter differences in field, amounting to 25 million M cu. ft. in 1953.

TABLE 28. Production of Natural Gas in Ontario, by Fields, 1952 and 1953

County	Field	1952	1953
		M cu. ft.	
Middlesex and Elgin	Mosald	298,246	585,371
Essex	Kingsville		
	Tilbury	1,640,464	1,745,755
	Dover	110,853	79,643
Kent	Electric	11,416	—
	DeClute	289,395	232,262
	Chatham and Camden Gore	87,577	97,790
	Zone	115,100	99,165
	Dawn	744	712
Lambton	Kimball	2,651,432	4,247,472
	Becher	44,707	102,948
	Bayham and Malahide	20,429	16,929
Elgin			
Haldimand	Haldimand	1,594,783	1,313,761
Lincoln			
Wentworth			
Brant	Brant	21,519	18,810
Norfolk	Norfolk	546,282	517,872
Oxford	Brownsville and Norwich	56,215	57,708
Welland	Welland	686,528	596,771
Wells in surface drift	Harwich and Howard	6,500	—
Private wells		120,000	—
Total produced		8,302,190	9,708,969

TABLE 29. Number of Gas Wells, by Provinces, 1951-1953

		New Brunswick	Ontario	Saskatchewan	Alberta	Canada
		Number				
Productive wells at beginning of year	1951	39	3,746	14	187	3,986
	1952	39	3,713	15	196	3,963
	1953	39	3,858	5	217	4,119
Number of productive wells drilled.....	1951	—	178	1	13	192
	1952	—	235	—	25	260
	1953	—	152	2	38	192
Number of dry wells drilled	1951	—	119	2	7	128
	1952	—	108	—	3	111
	1953	—	137	—	13	150
Number of wells abandoned	1951	—	164	—	4	168
	1952	—	123	10	4	137
	1953	—	679 ¹	—	3	682
Productive wells at end of year	1951	39	3,713	15	196	3,963
	1952	39	3,858	5	217	4,119
	1953	39	3,377	7	252	3,675

1. Includes 502 private and surface wells which the Ontario government has ceased to carry.

TABLE 30. Natural Gas Pipeline Mileage, 1952 and 1953

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1952	1953	1952	1953	1952	1953	1952	1953
New Brunswick	20	20	65	65	36	36	73	73
Ontario	2,303	2,326	2,068	2,118	4,099	4,072	2,363	2,422
Saskatchewan	36	49	24	31	43	60	20	28
Alberta	1,262	1,466	1,349	1,503	3,734	4,227	1,863	2,009
Canada	3,621	3,861	3,506	3,717	7,912	8,395	4,319	4,532

TABLE 31. Sales¹ of Manufactured and Natural Gas, 1952 and 1953

	1952			1953		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M. cu. ft.	\$		M. cu. ft.	\$
Manufactured gas:						
Domestic.....	531,775	13,940,405	19,115,540	526,707	13,339,655	19,066,442
House heating	7,151	2,477,077	2,272,065	7,124	2,217,741	2,258,110
Industrial	4,394	3,777,587	3,711,311	11,247	4,459,714	4,529,141
Commercial.....	30,098	6,109,610	6,612,951	26,487	5,861,563	6,344,750
Miscellaneous	—	—	30,493	—	—	22,327
Total	573,418	26,304,679	31,742,360	571,565	25,878,673	32,220,770
Natural gas:						
Domestic.....	239,957	28,392,449	16,654,932	258,587	30,382,846	18,667,428
Industrial	1,844	22,677,481	5,429,257	1,931	24,283,833	6,129,571
Commercial.....	21,467	14,935,855	4,954,170	22,907	16,007,808	5,291,485
Miscellaneous	—	—	63,331	—	—	78,762
Total	263,268	66,005,785	27,102,690	283,425	70,674,487	30,167,246
Total — all gas	836,686	92,310,464	58,844,050	854,990	96,553,160	62,388,016

1. Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 32. Sales¹ of Natural Gas, by Areas, 1952 and 1953

	1952		1953	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M cu. ft.	\$	M cu. ft.	\$
Eastern Canada				
Domestic	8,008,839	9,754,358	8,882,268	10,723,336
Industrial	1,928,813	2,115,535	2,204,309	2,402,260
Commercial	1,322,076	1,480,139	1,445,414	1,611,581
Miscellaneous ²	—	52,375	—	57,934
Total	11,259,728	13,402,407	12,531,991	14,795,111
Western Canada				
Domestic	20,383,610	6,900,564	21,500,578	7,944,092
Industrial	20,748,668	3,313,722	22,079,524	3,727,311
Commercial	13,613,779	3,474,031	14,562,394	3,679,904
Miscellaneous ²	—	10,956	—	20,828
Total	54,746,057	13,699,273	58,142,496	15,372,135
Canada — Total				
Domestic	28,392,449	16,654,922	30,382,846	18,667,428
Industrial	22,677,481	5,429,257	24,283,833	6,129,571
Commercial	14,935,855	4,954,170	16,007,808	5,291,485
Miscellaneous ²	—	63,331	—	78,762
Total	66,005,785	27,101,680	70,674,487	30,167,246

1. See footnote to Table 31.

2. Includes some free customers.

TABLE 33. Employees and Their Earnings in the Natural Gas Industry, 1952 and 1953

—	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administra- tion	Workmen	Total
	Male	Female	Male	Female				
1952						\$	\$	\$
New Brunswick	—	—	56	2	58	—	159,603	159,603
Ontario	247	188	982	2	1,419	1,239,700	2,744,053	3,983,753
Saskatchewan	3	—	10	—	13	10,400	24,444	34,844
Alberta.....	162	48	847	26	1,083	710,762	2,407,130	3,117,892
Canada	412	236	1,895	30	2,573	1,960,862	5,335,230	7,296,092
1953								
New Brunswick	—	—	51	2	53	—	149,611	149,611
Ontario	257	210	1,039	2	1,508	1,299,750	2,898,126	4,197,876
Saskatchewan	2	3	10	—	15	17,057	23,689	40,746
Alberta	190	58	916	29	1,193	812,951	2,872,348	3,685,299
Canada.....	449	271	2,016	33	2,769	2,129,758	5,943,774	8,073,532

TABLE 34. Number of Workmen in the Natural Gas Industry, by Months, 1952 and 1953
(On the last work-day of each month)

Month	1952			1953		
	Male	Female	Total	Male	Female	Total
January.....	1,491	24	1,515	1,518	29	1,547
February.....	1,418	23	1,441	1,458	28	1,486
March.....	1,372	25	1,397	1,517	27	1,544
April.....	1,521	25	1,546	1,645	32	1,677
May.....	1,954	29	1,983	1,998	30	2,028
June.....	2,033	30	2,063	2,183	33	2,216
July.....	2,179	36	2,215	2,326	37	2,363
August.....	2,266	40	2,306	2,453	37	2,490
September.....	2,257	32	2,289	2,482	38	2,520
October.....	2,232	33	2,265	2,459	37	2,496
November.....	2,120	34	2,154	2,234	36	2,270
December.....	1,717	33	1,750	1,792	36	1,828
Average.....	1,895	30	1,925	2,016	33	2,049

TABLE 35. Fuel and Electricity Used in the Natural Gas Industry, 1953

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines	—	—
(b) Imported	short tons 1	30
Sub-bituminous coal (from Alberta mines only)	—	—
Anthracite coal	—	—
Lignite coal	—	—
Coke (for fuel only)	short tons 2	43
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal. 400, 873	139, 605
Kerosene or coal oil	" 23, 014	5, 374
Fuel oil (does not include lubricating oil)	" 81, 970	15, 123
Wood (cords of 128 cubic feet of piled wood)	—	—
Gas (a) Liquefied petroleum gases (propane, etc.)	M cu. ft. 6, 810	1, 226
(b) Other manufactured gas	—	—
(c) Natural gas	M cu. ft. 1, 681, 211	87, 365
Other fuel	—	—
Electricity purchased for power and lighting (includes service charge)	kwh 1, 713, 358	42, 600
Electricity purchased for other purposes (includes service charge)	—	—
Total (cost only)	—	291, 366
Electricity generated (a) For own use	kwh 959, 890	—
(b) For sale	" 1, 984, 290	35, 717

TABLE 36. Power Equipment (Including stand-by or emergency equipment), 1953

Description	Ordinarily in use		In reserve or idle	
	Number of units	Total h.p. (according to manufacturer's rating)	Number of units	Total h.p. (according to manufacturer's rating)
1. Steam engines.....	—	—	—	—
2. Steam turbines	—	—	—	—
3. Diesel engines	1	180	—	—
4. Gasoline, gas and oil engines, other than Diesel engines ..	46	1, 539	1	150
5. Hydraulic turbines or water-wheels.....	—	—	—	—
6. Electric motors — (except those reported under item 10):				
(a) Operated by purchased power.....	4	10	—	—
7. Total (1), (2), (3), (4), (5) and (6a)	51	1, 729	1	150
8. (b) Operated by power generated by (1),(2),(3),(4) and (5)	—	—	—	—
9. Stationary boilers for power purposes only	3	130	1	80
10. Motor-generator sets	9	186	2	6

Directory of Firms in the Natural Gas Industry, 1953

1. Distributing only. 3. Drilling only.
 2. Drilling and producing. 4. Using or selling gas from absorption plant.

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton.....	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
Bain, Lyons & Werner	Fisherville	Cayuga South
Barnhart, Mr. & Mrs. E.....	Stevensville	Bertie
Barrick, R., & H. Heighton	R.R. 2, Wainfleet.....	Wainfleet
Bates, Norman.....	Port Colborne.....	Humberstone
Bates, N. and G.....	Port Colborne.....	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	
Beaver Oil & Gas Syndicate	67 Yonge St., Toronto	Walpole
Benner, Alvin and Jack	Sherkston	Humberstone
Benner, K. W.	Fisherville	Rainham
Benner & Tinney.....	Fisherville	Rainham and Walpole
Bertie Township Gas & Oil Syndicate.....	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate.....	Fisherville	Rainham
Booth, A. E.	1986 Drummond Rd., Niagara Falls	Willoughby and Bertie
Boyers Creek Gas Syndicate.....	Chippawa	Willoughby
Britlo Oils Limited.....	67 Yonge St., Toronto	Tilbury East
Buck, J.L.	Port Rowan.....	Walsingham South
Campbell, L.G.	Kingsville.....	Gosfield South
Canfield Natural Gas Company Limited ..	Dunnville	Cayuga North
Caughell Bros.	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Senaca Gas Syndicate	Cayuga	Senaca
Chambers, H. M.	Sherkston	Humberstone
Chambers, Dr. H. W.....	Chippawa	Willoughby
Chippawa Creek Gas Syndicate	Drawer 200, Fort Erie.....	Bertie and Willoughby
Consolidated West Petroleum Limited.....	19 Melinda St., Toronto	Romney
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Daubarie, A. ²	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Syndicate	Fort Erie.....	Bertie
Dell-Burn Gas Limited ²	Dunnville	Various
Dennis, G. R.,& Sons ²	Sherkston	Walpole
Dickout Bros.	Lowbanks	Moulton
Dickout, Leroy	Lowbanks	Sherbrooke
Dickson & Mercer	Hagersville.....	Oneida
Di Martile, T. A.....	Fort Erie.....	Bertie
Dominion Natural Gas Company, Limited ²	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Norfolk, Haldimand, Welland, Essex and Kent
Dover Gas Syndicate	Drawer 200, Fort Erie.....	Woodhouse
Earleejune Fish Co.....	Dunnville	Dunn
Edmund Gas Syndicate.....	Port Colborne.....	Humberstone
Elk Development Syndicate.....	Port Colborne.....	Humberstone

Directory of Firms in the Natural Gas Industry, 1953 — Continued

Name	Address	Location of field
Ontario — continued:		
Emerson, H. L.	Dunnville	Moulton, Canboro, Gainsboro, Cayuga South and Wain- fleet
Erie Prospecting Syndicate.....	Ridgeway	Bertie
Fairbank Estate	Petrolia.....	Enniskillen
Falls View Gas Syndicate.....	Fort Erie.....	Stamford
Fisherville Gas Co.	Fisherville	Rainham
Fitzgerald, W. J.	South Cayuga	Cayuga South
Fleet Manufacturing Limited.....	Fort Erie.....	Bertie
Fletcher, Eva	Glanford Station.....	Binbrook
Fox, E. S.	Welland	Thorold
Franklin, Stanley	Port Maitland	Dunn
Garrison Gas Syndicate	Fort Erie.....	Bertie
George, Mrs. A.	Fort Erie.....	Bertie
George, G.	Fort Erie.....	Bertie
Grand Gas Co.	Dunnville.....	Moulton
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited...	Grimsby.....	Caistor, Gainsboro and Can- boro
Haidon & MacDonald	Chippawa	Willoughby
Haidon, L. & P.	Chippawa	Willoughby
Haldimand Gas Syndicate	Cayuga	Rainham and Cayuga North
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Highbank Oil Limited.....	Chatham	Raleigh
High Grade Natural Gas Company Ltd.	Chatham	Dover
Hock, Albert	Wainfleet.....	Wainfleet
Horton, A.	Port Colborne.....	Humberstone
Houk Syndicate	Dunnville	Moulton
House, C. C.	Stevensville	Bertie
Imperial Oil Ltd.	56 Church St., Toronto.....	Moore, Sombra, Raleigh and Dover
Jackson, P. L. ²	Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn and Cayuga South
Jenkins, S. S.	Fort Erie.....	Bertie and Townsend
Kerr, Robert.....	York.....	Senaca
Kin-Mar Gas Syndicate ²	Fort Erie.....	Bertie and Willoughby
Kinsey, L. & O.	Lowbanks	Sherbrooke
Kramer & Bates.....	Port Colborne.....	Humberstone
Kramer, Harry	Port Colborne.....	Humberstone
Lake Erie Gas Syndicate.....	54 Hambly Ave., Toronto.....	Rainham
Lake Shore Gas & Oil Syndicate	Ridgeway	Bertie
Lake Shore Gas Company	20 Duke St., Hamilton	Dunn
Lapp & Arendt.....	Stevensville	Bertie
Leamington, Town of ¹	Leamington.....	
Lincoln Natural Gas Co. Ltd.	Dunnville	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
Locators Oils Limited	139 Lake Shore Drive, Toronto.....	Cayuga South
London, City of, Gas Company ¹	London	
Lymburner Bros. and Webber.....	Dunnville	Cayuga North, Rainham and Walpole
MacAnn Well Syndicate	Fort Erie.....	Bertie

Directory of Firms in the Natural Gas Industry, 1953 — Continued

Name	Address	Location of field
Ontario — continued:		
Maguire, J.	Clifford	Walpole and Woodhouse
Makaton, John	Fort Erie.....	Bertie
Manock Gas Syndicate	Fort Erie.....	Bertie
Maple Leaf Gas Syndicate.....	Ridgeway	Bertie
McIntyre & Hawkins	Fort Erie.....	Humberstone
McKechnie, S., Estate	Dunnville	Walpole
Medina Gas Syndicate	Welland	Crowland
Mehlenbacher, L. B., Gas Syndicate	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul	Fort Erie.....	Willoughby
Minor & Luck.....	Barrie	Sherbrooke
Mitchell, S. T.....	Dunnville	Dunn
Mohawk Gas & Oil Syndicate Limited	421 Main St. E., Hamilton	Oneida and Walpole
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Morningstar, Roy.....	Ridgeway	Bertie
Mulgrave Gas Syndicate.....	Stevensville	Bertie
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Nevada Gas Syndicate	Fort Erie.....	Thorold
Niagara Gas Syndicate.....	Fisherville	Bertie
Niece, Elmond.....	Dunnville	Sherbrooke
Niece Bros.	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich.....	Sherbrooke
North Cayuga Gas Co.	King & Hughson Sts., Hamilton.....	Cayuga North
North Shore Gas Co.....	Selkirk.....	Rainham
Noyes, L. A.	Stevensville	Willoughby
Palsco, J.	Wainfleet.....	Wainfleet
Patterson & Culver.....	Dunnville	Dunnville
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Petrol Oil & Gas Co. Ltd.....	414 Bay St., Toronto	Oneida, Onondaga and Tuscarora
Port Colborne-Welland Gas Co.	Port Colborne.....	Senaca, Cayuga North, Oneida and Onondaga
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1.....	Dover
Provincial Gas Company Limited.....	Fort Erie.....	Humberstone, Willoughby, Bertie and Crowland
Purcifer, R.	Stevensville	Humberstone
Queenston Gas & Oil Co. Ltd.	Fort Erie.....	Willoughby, Walsingham South, Oneida and Woodhouse
Rae, Robert	Niagara Falls.....	Humberstone
Raydis Oil & Gas Company Limited	118 King St. W., Chatham	Norfolk
Reicheld, F. W. ²	Jarvis	Walpole
Richmount Developments Ltd.	Ridgeway	Bertie
Riverside Syndicate	Welland	Welland
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Frank	Ridgeway	Bertie
Round, Mrs. J. S.	Fort Erie.....	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruegg, J. A.	Ridgeway	Bertie
Sandusk Gas Syndicate	Fisherville	Walpole

Directory of Firms in the Natural Gas Industry, 1953 — Continued

Name	Address	Location of field
Ontario — concluded:		
Shank & Snively	Hagersville	Oneida
Sherbrooke Gas Syndicate.....	Dunnville.....	Sherbrooke
Sherk & Carrothers.....	Sherkston.....	Humberstone
Sherk & Learn.....	Sherkston.....	Humberstone
Sherk, Bert	Stevensville	Bertie
Sherkston Gas Syndicate.....	Sherkston.....	Humberstone
Shurr, Ivan.....	Cayuga.....	Rainham
Siddall, McKeown & Siddall	Port Maitland	Dunn
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston.....	Humberstone
Sider, Ralph ²	Ridgeway.....	Moulton and Bertie
Smith & Ehde	Lowbanks	Moulton and Dunn
Southern, J.....	Welland	Crowland
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Star Gas Syndicate.....	Ridgeway.....	Crowland, Humberstone and Bertie
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin ²	Jarvis.....	Bertie and Thorold
Sundy Natural Gas Co.	Dunnville.....	Canboro
Sunnyside Gas Syndicate	Welland Junction	Humberstone
Swayze, H.	Hagersville	Oneida
T. H. & G. Syndicate.....	Fort Erie	Bertie
Tanke, E.	16 Irving Place, Buffalo, N.Y., U.S.A.	Thorold, Bertie and Humberstone
Tri-County Gas & Oil Co. Ltd.	Tillsonburg	Norwich South
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited ..	Chatham.....	Tilbury, D'Clute, Dover, Dawn, Camden Gore, Zone, Haldimand and Chatham
Valencourt Gas Syndicate.....	Welland	Thorold
Valencourt, L.	Welland	Thorold
Victory Gas Syndicate.....	Huron & Erie Bldg., London.....	Windham
Wale, H.....	Stevensville	Humberstone
Walpole Gas Syndicate	Cayuga.....	Walpole, Cayuga North and Senaca
Walter Gas Syndicate Ltd. ²	Simcoe	Woodhouse, Townsend, Walsingham South and Walpole
Warren Gas Syndicate	Cayuga.....	Bayham and Dereham
Warren, G.....	Tillsonburg	
Weaver, Frank.....	Port Colborne	Humberstone
Welland County Gas Syndicate.....	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
Western Ashley Minerals Ltd.	Wyoming.....	Aldborough and Mosa
Wilkinson Gas Syndicate.....	Fort Erie	Thorold
Willick, J.S.	Stevensville	Willoughby
Zielski, E. & M.....	Port Colborne	Wainfleet
Zuba, Andrew	Stevensville	Willoughby
Saskatchewan:		
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary, Alta.....	Gull Lake
Bata Petroleum Ltd.	310 Broder Bldg., Regina.....	Unity

Directory of Firms in the Natural Gas Industry, 1953 — Continued

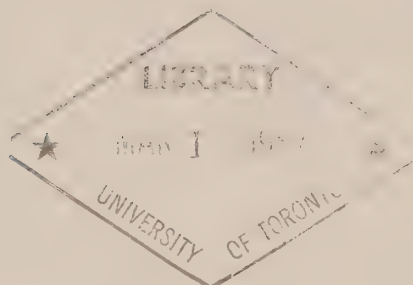
Name	Address	Location of field
Saskatchewan — concluded:		
Consolidated Peak Oils Limited.....	569 Howe St., Vancouver, B.C.	Lloydminster
Husky Oil & Refining Ltd.....	630-8th Ave. W., Calgary, Alta.	Lloydminster
Lloydminster Development Co. Ltd.....	Lloydminster	Lloydminster
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Lone Rock Gas Company	Lloydminster	Lone Rock
Malone, J. C.	712 McCallum Hill Bldg., Regina.....	Lloydminster
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alta.	Coleville
Alberta:		
Ajax Petroleums Limited	302 Bay St., Toronto, Ont.	Morinville
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Amalgamated Oils Limited.....	900 Lancaster Bldg., Calgary.....	Turner Valley
American Leduc Petroleums Ltd.	101 Alexandra Bldg., Edmonton	Leduc and Bashaw
Anglo-Canadian Oil Company Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Argus Royalties Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Athabasca Utilities ¹	Lloydminster	
Bay Petroleum Corporation	Box 957, Denver, Colorado, U.S.A.	Various
Bonnyville Gas Company Limited.....	Bonnyville	Bonnyville
British American Oil Company Limited ⁴ ..	Royal Bank Bldg., Toronto, Ontario.....	Turner Valley, Redwater and Leduc
British American Oil Co. Ltd.....	Bay & College Sts., Toronto, Ont.	Various
British Petroleums Ltd.	404-6th Ave. W., Calgary	Leduc-Woodbend
Calmont Oils Limited	906 Lancaster Bldg., Calgary.....	Turner Valley and Leduc
Calwin Royalties Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Canadian Delhi Oil Ltd.....	1004 Barron Bldg., Calgary.....	Picardville
Canadian Pacific Railway Company.....	Montreal, Quebec.....	Medicine Hat
Canadian-Montana Gas Co. Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte, Pendant d'Oreille, and Smith Coulee
Canadian Western Natural Gas Company Limited	215-6th Ave. W., Calgary	Brooks
Canadian Western Power & Fuel Co. Ltd.	Redcliff.....	Redcliff
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Commoil Limited	122-8th Ave. W., Calgary	Turner Valley
Consolidated East Crest Oil Co. Ltd.	735-8th Ave. W., Calgary	Turner Valley
Dalhousie Oil Company Limited	35 Dominion Bank Chambers, Edmonton ...	Turner Valley
Department of National Defence	Suffield	Suffield
Dominion Glass Company Limited	1111 Beaver Hall Hill, Montreal, Quebec ..	Medicine Hat
Elk Point Gas Co. Ltd.	Elk Point	Elk Point
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary.....	Turner Valley
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Company Limited.....	232 Lougheed Bldg., Calgary	Turner Valley
Gem Royalties Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley
Gunderson Brick & Coal Co. Ltd.....	Redcliff.....	Redcliff
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley and Leduc
Hudson's Bay Oil & Gas Company Limited	534-8th Ave. W., Calgary	Viking-Kinsella, Turner Valley, Leduc
Husky Oil & Refining Ltd.....	630-8th Ave. W., Calgary	Lloydminster

Directory of Firms in the Natural Gas Industry, 1953 — Concluded

Name	Address	Location of field
Alberta — concluded:		
Imperial Oil Limited	56 Church St., Toronto, Ontario	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Inland Gas & Oil Co. Ltd.	35 Dominion Bank Chambers, Edmonton ...	Fabyan
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster and Dina
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Ltd.	Medicine Hat	Medicine Hat
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 100, Medicine Hat	Medicine Hat
Mercury Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Mic Mac Oils, Ltd.	11536 Jasper Ave., Edmonton	Leduc
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Royalties & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Model Oils Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
National Petroleum Corporation Limited ..	401 Leeson-Lineham Bldg., Calgary	Turner Valley, Del Bonita and Spring Coulee
New British Dominion Oil Company Limited	304 Toronto General Trusts Bldg., Calgary	Stettler
New Continental Oil Co. of Canada Ltd. ..	231—8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleums Limited	409 Lancaster Bldg., Calgary	Turner Valley
Newfold Royalties Limited	232 Loughheed Bldg., Calgary	Turner Valley
Northwell Operators Limited	900 Lancaster Bldg., Calgary	Redwater
Northwestern Utilities Limited	10124—104 St., Edmonton	Viking-Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Quebec	Medicine Hat
Okalta Oils Limited	516—10th Ave. W., Calgary	Turner Valley and Leduc
Pacific Petroleums Ltd.	700 Petroleum Bldg., Calgary	Redwater, Armena and Peace River
Petcal Limited	528—9th Ave. W., Calgary	Various
Redcliff Premier Brick Co. Ltd.	Redcliff	Redcliff
Redcliff Pressed Brick Co., Ltd.	Redcliff	Redcliff
Renown Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ⁴	606—2nd St. W., Calgary	Turner Valley
St. Paul Utilities Ltd.	9656 Jasper Ave., Edmonton	St. Paul
Share Oils Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Shaw, R.	Lloydminster	Lloydminster
Shell Oil Company of Canada Ltd.	25 Adelaide St., Toronto, Ontario	Jumping Pound
Southwest Petroleum Company	232 Loughheed Bldg., Calgary	Turner Valley
Suffield Gas Supply	Suffield	Suffield
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Taylor Petroleum Operators Ltd.	627—8th Ave. W., Calgary	Leduc
Tilley Gas Co. Ltd.	Tilley	Tilley
United Assets Limited	232 Loughheed Bldg., Calgary	Turner Valley
Valley Gas Company Limited ¹	Box L, Turner Valley	
Vanpeg Royalties #1	301 Lancaster Bldg., Calgary	Turner Valley
Wainwright Gas Company Limited ¹	36 Dominion Bank Bldg., Edmonton	
Western Petroleum Operators Limited	407 Lancaster Bldg., Calgary	Turner Valley
Westside Royalties Limited	232 Loughheed Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc-Woodbend
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Yorkton Investors Syndicate	Yorkton	Lloydminster
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ontario	Fort Norman



THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1954



Published by Authority of
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
Mineral Statistics Section

NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** – Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I – Mineral Statistics
- Part II – Forestry Statistics – Operations in the Woods
- Part III – Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A – General Review of the Mining Industry, 50¢
- B – The Gold Mining Industry, 50¢
- C – The Silver-Lead-Zinc Mining Industry, 25¢
- D – The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E – The Miscellaneous Metal Mining Industry, 25¢
- F – The Smelting and Refining Industry, 25¢
- G – The Coal Mining Industry, \$1.00
- H – The Crude Petroleum and Natural Gas Industry, 25¢
- I – The Asbestos Mining Industry, 25¢
- J – The Feldspar and Quartz Mining Industry, 25¢
- K – The Gypsum Industry, 25¢
- L – The Peat Industry, 25¢
- M – The Salt Industry, 25¢
- N – The Talc and Soapstone Industry, 25¢
- O – The Miscellaneous Non-metal Mining Industry, 25¢
- P – The Cement Manufacturing Industry, 25¢
- Q – The Clay and Clay Products Industry, 25¢
- R – The Lime Industry, 25¢
- S – The Sand and Gravel Industry, 25¢
- T – The Stone Industry, 25¢
- U – Contract Drilling in the Mining Industry, 25¢

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1954

(a) THE CRUDE PETROLEUM INDUSTRY

During 1954 Canada's oil wells produced 96,080,345 barrels of crude petroleum valued at \$243,877,030 compared with 80,898,897 barrels valued at \$200,582,276 in the preceding year.

The Alberta wells produced about 91 per cent of the Canadian output. The following fields in Alberta each produced in excess of 2 million barrels: Acheson, Bonnie Glen, Fenn-Big Valley, Golden Spike, Joarcam, Leduc-Woodbend, Redwater, Turner Valley and Wizard Lake. Among the new producing areas were: Acheson East, Chauvin South, Hamilton Lake, Joarcam, Leahurst, Nevis, Pembina, Rimbey, St. Albert, Sturgeon Lake and Sturgeon Lake South.

The output in Saskatchewan was 5,422,899 barrels which was nearly twice the volume of 2,797,888 barrels produced in 1953. The new fields

in this province were: Alida, Forget, Frobisher, Hoosier, Instow, Leon Lake, Marengo, Moose, North Premier, Ratcliffe and South Illerbrun. Manitoba's output of 2,148,184 barrels was more than triple the 653,514 barrels in 1953. The Ontario production was 412,474 barrels, an increase of 37.6 per cent. The Northwest Territories produced 369,887 barrels in the Norman Wells area. There was a decrease in New Brunswick's output.

The industry employed an average of 3,870 persons to whom \$15,756,455 were paid as salaries and wages. Fuel cost \$1,871,706 and 27,689,890 kwh. of electricity were purchased for \$976,626. Process supplies were valued at \$4,095,789.

The general statistics refer only to firms which have producing wells, thus some oil prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, Significant Years, 1921 - 1954

Year	Operating wells	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production
	No.	No.	\$	\$	\$	\$	\$
1921	2,828	190	215,791	N.A.	N.A.	641,533	N.A.
1929	2,635	2,221	3,748,689	293,354	N.A.	4,368,374	N.A.
1931	2,346	1,209	1,634,517	303,511	N.A.	4,733,287	N.A.
1933	2,128	718	773,734	136,278	N.A.	3,562,170	N.A.
1937	2,328	1,620	2,340,359	471,187	638,779	6,002,638	4,892,672
1939	2,389	1,780	2,567,983	707,067	724,988	10,742,977	9,310,922
1941	2,312	1,844	3,254,817	609,616	194,182	15,011,324	14,207,526
1944	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358	14,575,563
1946	2,314	1,563	3,260,571	914,551	109,555	14,725,139	13,701,033
1949	3,166	2,142	6,304,601	599,562	386,145	61,091,128	60,105,421
1950	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945	82,881,844
1951	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729	113,155,236
1952	5,833	3,702	14,610,821	1,911,794	2,502,154	139,596,851	135,182,903
1953	7,056	4,150	16,430,201	2,447,173	3,020,756	204,481,012	199,013,083
1954	8,562	3,870	15,756,455	2,848,332	4,095,789	247,854,366	240,910,245

1. Gross value of shipments less cost of fuel, electricity, and process supplies.

Note. Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics for the Crude Petroleum Industry, by Provinces, 1953 and 1954

Year	Operating wells	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production
	No.	No.	\$	\$	\$	\$	\$
1953							
Ontario	1,423	148	356,635	46,147	18,270	994,835	930,418
Manitoba	114	41	167,556	25,729	3,787	1,664,709	1,635,193
Saskatchewan	895	420	1,402,206	232,896	179,288	3,833,127	3,420,943
Alberta	5,020	3,520	14,441,199	2,130,906	2,819,411	197,686,004	192,735,687
Northwest Territories	28	21	62,605	11,495	—	302,337	290,842
Canada	7,506²	4,150	16,430,201	2,447,173	3,020,756	204,481,012	199,013,083
1954							
Ontario	1,392	178	447,839	56,445	69,073	1,391,687	1,266,169
Manitoba	325	77	296,751	55,453	96,621	5,556,426	5,404,352
Saskatchewan	1,252	591	2,308,681	326,498	360,913	8,227,268	7,539,857
Alberta	5,541	3,000	12,633,690	2,400,813	3,569,182	232,325,165	226,355,170
Northwest Territories	26	24	69,494	9,123	—	353,820	344,697
Canada	8,562²	3,870	15,756,455	2,848,332	4,095,789	247,854,366	240,910,245

1. Gross value of shipments less cost of fuel, electricity and process supplies.

2. Includes 26 wells in New Brunswick.

TABLE 3. Production of Crude Petroleum, by Provinces, 1953 and 1954

Province	1953		1954	
	Barrels	\$	Barrels	\$
New Brunswick	14,738	20,633	13,046	18,265
Ontario	299,685	994,835	412,474	1,391,687
Manitoba	653,514	1,714,806	2,148,184	5,619,649
Saskatchewan	2,797,888	3,833,107	5,422,899	8,183,304
Alberta	76,816,383	193,761,644	87,713,855	228,319,165
Northwest Territories.....	316,689	257,251	369,887	344,960
Canada	80,898,897	200,582,276	96,080,345	243,877,030

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1952-1954

Field	1952	1953	1954	Field	1952	1953	1954
	Barrels				Barrels		
Acheson	2,016,855	2,497,850	2,756,232	Legal	—	68,687	60,241
Acheson East	—	—	53,524	Lloydminster	1,057,354	1,059,552	1,101,235
Alliance	16,181	25,594	20,207	Malmo	270,474	671,785	697,053
Armistie	103,594	78,956	57,448	Morinville	—	5,028	8,101
Barons	33,693	44,372	43,833	Namoo	41,333	81,788	56,040
Bashaw	56,493	35,049	39,111	Nevis	—	—	14,596
Battle	—	53,856	84,105	New Norway	287,988	325,142	339,990
Baxter Lake	20,125	41,335	30,268	Oberlin	—	237	153
Bonnie Glen	743,490	5,550,715	6,960,330	Peavey	—	46,795	53,401
Bonnyville	20,871	45,051	42,530	Pembina	—	—	800,404
Campbell	45,650	40,238	39,827	Pincher Creek	51	—	—
Cessford	—	85,903	267,319	Princess	72,970	28,057	20,648
Chamberlain	—	29,323	21,265	Redwater	23,975,842	23,281,597	24,895,984
Chauvin	—	90,747	151,082	Rimbey	—	—	226,961
Chauvin South	—	—	10,594	St. Albert	—	—	88,998
Clive	33,452	148,919	202,844	Samson	—	14,914	13,478
Conrad	135,037	126,170	117,230	Skaro	7,026	9,345	2,671
Del Bonita	41,205	38,543	38,145	Spring Coulee	7,271	6,832	4,478
Dina	19,694	11,203	9,100	Stettler	607,078	438,041	897,168
Drumheller	175,688	278,862	277,258	Sturgeon Lake	—	—	17,265
Duhamel	347,140	535,986	538,010	Sturgeon Lake South	—	—	70,189
Ellerslie	44,975	41,043	45,978	Taber	81,464	66,779	114,078
Erskine	—	48,897	201,102	Turner Valley	2,655,007	2,404,967	2,137,907
Excelsior	933,644	1,060,555	1,163,649	Vermilion	39,058	35,475	1,427
Fairydell-Bon Accord	83,526	204,864	312,045	Wainwright	27,850	68,726	119,429
Fenn-Dig Valley	1,001,641	2,223,186	6,492,733	West Drumheller	—	539,586	1,089,720
Glen Park	282,719	414,978	464,875	Westerose	—	930,073	1,372,193
Golden Spike	1,279,103	2,167,636	2,549,518	Whitelaw	—	—	—
Hamilton Lake	—	—	92,882	Whitemud	20,010	18,262	14,799
Joarcan	—	—	4,858,380	Wizard Lake	1,696,077	3,095,287	3,706,921
Joffre	—	28,814	560,560	Other areas	2,721,625	6,214,276	615,889
Jumping Pound	67,257	96,033	109,424				
Leahurst	—	—	241				
Leduc-Woodbend	17,845,212	21,360,474	20,560,789	Total Alberta	58,915,723	76,816,383	87,713,855

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1953 and 1954

Field	1953	1954	Field	1953	1954
	barrels			barrels	
Alida	—	5,613	Leon Lake	—	9,678
Cantuar	18,564	100,724	Lloydminster	845,390	892,332
Coleville-Sniley	767,045	1,985,372	Lone Rock	548,221	695,810
Dollard	24,586	217,404	McLaren	50,090	38,705
Eastend	19,863	599	Maidstone	8,399	10,793
Forget	—	21,419	Marengo	—	4,452
Fosterton	67,532	211,875	Marsden	38,254	33,204
Frobisher	—	56,923	Midale	15,071	152,048
Gull Lake	61,054	327,789	Midway	—	—
Hoosier	—	13,129	Moose	—	18,133
Instow	—	22,349	North Premier	—	1,787
Java	632	4,962	Rapdan	23,633	—

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1953 and 1954 — Concluded

Field	1953	1954	Field	1953	1954
	barrels			barrels	
Ratcliffe	—	9,789	Waseca	15,855	16,050
South Illebrun	—	736	Other areas	73,084	16,761
Success	124,001	337,993			
Wapella	96,614	216,470	Total Saskatchewan ..	2,797,888	5,422,899

TABLE 6. Production of Crude Petroleum in Ontario, by Fields, 1952-1954

Field	1952	1953	1954
	Barrels		
Petrolia and Enniskillen	36,330	35,395	33,431
Oil Springs	26,957	27,067	26,010
Moore township	1,744	2,479	3,426
Sarnia township	147	69	—
Plympton township	—	—	—
Bothwell township and Thamesville	12,035	10,227	9,309
Dover, Romney, Raleigh, Tilbury and Brooke	4,298	1,362	2,914
Onondaga	16	—	—
Mosa township	15,925	14,290	13,525
Dunwich	1,923	1,877	1,774
Dawn, Euphemia and Harwich	3,070	1,246	835
Warwick, Metcalfe and Aldborough townships	13,388	142,676	263,012
Sombra township	75,981	62,997	57,164
Watford, Kerrwood, Howard	—	—	1,074
Total	191,814	299,685	412,474

TABLE 7. Production of Crude Petroleum, 1945-1954

Year	Barrels	\$	Year	Barrels	\$
1945	8,482,796	13,632,248	1950	29,043,788	84,619,937
1946	7,585,555	14,989,052	1951	47,615,534	116,655,238
1947	7,692,492	19,575,682	1952	61,237,322	143,038,212
1948	12,286,660	37,418,895	1953	80,898,897	200,582,276
1949	21,305,348	61,118,490	1954	96,080,345	243,877,030

TABLE 8. Production of Crude Petroleum, by Provinces, 1945-1954

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Barrels of 35 Imperial gallons						
1945	30,140	113,325	—	14,374	7,979,786	345,171	8,482,796
1946	28,584	123,082	—	118,686	7,137,921	177,282	7,585,555
1947	23,129	131,295	—	540,117	6,770,477	227,474	7,692,492
1948	21,372	176,989	—	849,166	10,882,592	350,541	12,286,660
1949	19,544	260,670	—	782,188	20,087,418	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	369,887	96,080,345

TABLE 9. Production of Crude Petroleum, by Months, 1954

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Barrels of 35 Imperial gallons							
January	1, 147	32, 663	106, 801	280, 770	7, 584, 174	15, 433	8, 020, 988
February	1, 180	30, 788	115, 952	344, 835	7, 079, 008	45, 349	7, 617, 112
March	1, 226	30, 573	136, 507	354, 612	5, 619, 838	50, 114	6, 192, 870
April	1, 017	33, 043	135, 071	320, 205	4, 836, 941	51, 522	5, 377, 799
May	905	34, 824	126, 845	349, 917	6, 621, 439	28, 763	7, 162, 693
June	878	35, 058	165, 882	368, 601	7, 279, 540	19, 339	7, 869, 298
July	1, 038	34, 646	198, 062	492, 880	8, 427, 246	28, 448	9, 182, 320
August	1, 120	37, 692	225, 270	527, 835	8, 314, 356	29, 943	9, 136, 216
September	1, 089	37, 032	207, 851	504, 726	8, 081, 628	32, 025	8, 864, 351
October	1, 046	33, 819	234, 306	550, 506	7, 870, 761	29, 643	8, 720, 081
November	1, 113	33, 360	229, 993	624, 103	7, 377, 182	26, 316	8, 292, 067
December	1, 287	38, 976	265, 644	703, 909	8, 621, 742	12, 992	9, 644, 550
Total	13, 046	412, 474	2, 148, 184	5, 422, 899	87, 713, 855	369, 887	96, 080, 345

TABLE 10. Production and Sales of Natural Gasoline in Alberta, 1952-1954

	1952	1953	1954
Production —by fields:			
Acheson	—	—	5, 754
Bonnie Glen	—	—	6, 060
Fenn-Big Valley	—	—	3, 104
Jumping Pound	19, 583	33, 706	56, 190
Leduc-Woodbend	67, 422	82, 241	93, 843
Turner Valley	492, 868	486, 421	508, 613
Total Alberta	579, 873	602, 368	673, 564
Sales	569, 537	593, 119	647, 206
Sales	1, 662, 514	1, 766, 307	1, 979, 471

Note. Natural gasoline is not included in the crude petroleum figures since 1950.

TABLE 11. Petroleum Wells, by Provinces, 1952-1954

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Number							
Productive wells at beginning of year:							
1952	26	1, 471	2	238	2, 582	24	4, 343
1953	26	1, 381	33	390	3, 372	26	5, 228
1954	26	1, 423	96	633	4, 454	28	6, 660
Number of productive wells drilled:							
1952	—	27	38	185	893	2	1, 145
1953	—	82	66	457	1, 361	2	1, 968
1954	—	45	181	292	805	—	1, 323
Number of wells abandoned:							
1952	—	64	7	33	103	—	207
1953	—	19	3	114	279	—	415
1954	—	8	—	31	212	2	253
Number of dry wells drilled:							
1952	—	36	17	102	356	—	511
1953	—	23	8	233	425	—	689
1954	—	—	42	320	294	—	656
Number of productive wells in operation at end of year:							
1952	26	1, 381	33	390	3, 372	26	5, 228
1953	26	1, 423	96	633	4, 454	28	6, 660
1954	26	1, 392	277	894	5, 047	26	7, 662

TABLE 12. Employees ¹ and Their Earnings in the Crude Petroleum Industry, 1953 and 1954

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1953								
Ontario	33	11	104	—	148	152,914	203,721	356,635
Manitoba	12	1	28	—	41	59,514	108,042	167,556
Saskatchewan	179	42	199	—	420	698,181	704,025	1,402,206
Alberta	559	107	2,802	52	3,520	2,960,104	11,481,095	14,441,199
Northwest Territories	1	—	20	—	21	4,605	58,000	62,605
Canada	784	161	3,153	52	4,150	3,875,318	12,554,883	16,430,201
1954								
Ontario	32	11	135	—	178	146,460	301,379	447,839
Manitoba	33	4	40	—	77	142,816	153,935	296,751
Saskatchewan	218	37	334	2	591	1,066,677	1,242,004	2,308,681
Alberta	571	142	2,250	37	3,000	3,395,994	9,237,696	12,633,690
Northwest Territories	1	—	23	—	24	5,494	64,000	69,494
Canada	855	194	2,782	39	3,870	4,757,441	10,999,014	15,756,455

1. Employment in New Brunswick included in Natural Gas Industry.

TABLE 13. Employees and Their Earnings in the Crude Petroleum Industry, 1950-1954

Year	Number of employees					Number of man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
							\$	\$	\$
1950	274	57	2,043	43	2,417	6,464,262	1,219,923	6,628,616	7,848,539
1951	367	86	2,684	48	3,185	8,552,655	1,750,913	9,767,868	11,518,781
1952	537	119	3,018	28	3,702	9,574,639	2,520,231	12,090,590	14,610,821
1953	784	161	3,153	52	4,150	10,506,225	3,875,318	12,554,883	16,430,201
1954	855	194	2,782	39	3,870	10,013,487	4,757,441	10,999,014	15,756,455

Note. Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 14. Workmen, by Months, in the Crude Petroleum Industry, 1953 and 1954 (Number on pay-roll on the last work-day of each month)

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
January	3,018	49	3,067	2,693	35	2,728
February	3,019	49	3,068	2,626	35	2,661
March	3,081	49	3,130	2,763	38	2,801
April	2,975	50	3,025	2,731	39	2,770
May	3,120	51	3,171	2,667	41	2,708
June	3,176	52	3,228	2,712	41	2,753
July	3,229	53	3,282	2,883	41	2,924
August	3,315	52	3,367	2,822	43	2,865
September	3,180	53	3,233	2,702	40	2,742
October	3,085	55	3,140	2,775	42	2,817
November	3,241	54	3,295	2,903	40	2,943
December	3,207	54	3,261	2,838	40	2,878
Average	3,153	52	3,205	2,782	39	2,821
Total man-hours worked			8,164,743			7,172,485

TABLE 15. Imports of Petroleum, Asphalt, and Their Products, 1953 and 1954

Item	1953		1954	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not	cwt. 451,921	857,210	626,365	888,404
Asphalt oil for paving	gal. —	—	141,092	17,550
Oil, imported by miners or mining companies, for the concentration of ores or metals	gal. 168,744	192,311	212,191	220,316
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	2,781,707	207,985,790	2,757,017	212,495,975
Crude petroleum, n.o.p.	gal. 16,654	1,541	12,682	1,212
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah., when imported by oil refiners to be refined	gal. 75,237,668	5,106,463	3,898,805	289,779
Fuel oil, ex-warehoused, for ships' stores	gal. 18,796,458	940,737	8,241,704	374,021
Aviation gasoline	gal. 79,861,231	16,305,335	82,586,802	16,792,527
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p.	gal. 26,708,398	3,256,297	18,891,972	2,110,799
Engine distillate, .8017 specific gravity or heavier at 60° Fah.	gal. 231,011	27,328	168,770	22,611
Gasoline, lighter than .8236 specific gravity at 50° Fah.	gal. 184,136,880	29,152,048	113,653,640	15,513,545
Natural casinghead, compression or absorp- tion gasoline, lighter than .6690 specific gravity (30.0 A.P.I.) at 60° Fah., when im- ported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	gal. 27,610,165	3,165,433	20,339,110	2,235,291
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	gal. 23,595,576	4,391,499	25,022,572	4,692,544
Lubricating oils, 25 cents and over	gal. 11,351,934	4,654,771	9,547,985	4,210,962
Oils, mineral, n.o.p.	gal. 2,618,120	3,376,397	1,804,263	1,408,322
Stove oil, No. 1 fuel oil	gal. 106,812,256	12,436,966	100,437,596	11,493,374
Light fuel oils, Nos. 2 and 3	gal. 275,707,181	27,778,733	345,340,659	34,404,784
Heavy fuel oils, Nos. 4, 5 and 6	gal. 267,744,747	16,128,933	311,874,664	17,763,829
Diesel fuel	gal. 71,166,322	7,865,673	63,358,128	6,885,224
Tractor fuel	gal. —	—	—	—
Petroleum greases and lubricating greases, n.o.p.	lb. 20,193,059	1,850,603	14,185,990	1,547,172
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes	—	503,623	—	599,348
Paraffin wax	lb. 36,816,140	2,189,061	34,241,819	2,109,685
Paraffin wax candles	lb. 309,536	93,729	293,436	98,999
Products of petroleum, n.o.p.	gal. 14,570,878	3,632,530	11,232,414	3,525,971
Liquefied petroleum gases	lb. 263,070,780	3,530,232	265,319,376	3,091,301
Naphtha, including solvent naphtha	gal. 12,812,190	2,526,073	10,597,362	2,193,845

TABLE 16. Exports of Petroleum and its Products, 1953 and 1954

Item	1953		1954	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude	gal. 87,755,990	6,227,829	82,073,183	6,317,578
Oil, coal and kerosene, refined	gal. 1,998	508	3,550	889
Gasoline and naphtha	gal. 166,676	37,576	15,367,007	2,006,976
Fuel oil	gal. 5,513,958	428,700	1,553,002	141,689
Lubricating oil	gal. 25,645	32,015	41,756	100,788
Oil, mineral, n.o.p.	gal. 8,870	10,196	110	230
Wax, mineral	cwt. 5,254	36,008	13,998	108,713

TABLE 17. Canadian Crude Petroleum Supply, 1940 - 1954

Year	Canadian production	Imports	Exports ¹	Apparent supply
Barrels of 35 Imperial gallons				
1940	8,590,978	42,623,484	—	51,214,462
1941	10,133,838	46,791,026	—	56,924,864
1942	10,364,796	44,120,212	—	54,485,008
1943	10,052,302	49,753,782	—	59,806,084
1944	10,099,404	57,047,826	—	67,147,230
1945	8,482,796	56,806,214	—	65,289,010
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,948	172,619,067

1. Exports were comparatively small prior to 1951 and may be neglected.

TABLE 18. Receipts of Crude Petroleum by Canadian Refineries, 1950 - 1954

Year	Maritimes and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and Northwest Territories	British Columbia	Canada
Barrels					
1950:					
Canadian	—	248,584	26,069,133	—	26,317,717
Imported	48,677,917	25,050,077	230,878	7,832,059	81,790,931
Total	48,677,917	25,298,661	26,300,011	7,832,059	108,108,648
1951:					
Canadian	—	13,855,078	33,330,847	—	47,185,925
Imported	59,054,655	15,943,314	90,516	8,051,088	83,139,573
Total	59,054,655	29,798,392	33,421,363	8,051,088	130,325,498
1952:					
Canadian	—	20,030,188	38,355,581	508,862	58,894,631
Imported	61,373,935	13,657,565	29,042	7,406,780	82,467,322
Total	61,373,935	33,687,753	38,384,623	7,915,642	141,361,953
1953:					
Canadian	—	22,954,227	43,711,979	2,679,381	69,345,587
Imported	64,439,523	11,066,468	7,446	5,892,673	81,406,110
Total	64,439,523	34,020,695	43,719,425	8,572,054	150,751,697
1954:					
Canadian	—	35,284,938	44,139,544	13,255,337	92,679,819
Imported	66,202,831	8,808,162	2,249	1,759,789	76,773,031
Total	66,202,831	44,093,100	44,141,793	15,015,126	169,452,850

TABLE 19. World Crude Oil Production, 1951 - 1954
(From "World Petroleum")

	1951	1952	1953	1954
Thousands of barrels daily				
North America:				
United States.....	6,149.0	6,264.5	6,465.7	6,315.5
Canada.....	130.5	167.0	221.6	256.9
Mexico.....	210.2	214.8	198.5	228.4
North America	6,489.7	6,646.3	6,885.8	6,800.8
South America:				
Venezuela.....	1,704.6	1,803.9	1,765.1	1,880.7
Colombia.....	105.3	105.0	110.4	110.5
Argentina.....	66.9	68.2	78.5	79.2
Trinidad.....	57.1	57.4	61.2	64.5
Peru.....	44.0	45.5	44.0	46.9
Ecuador.....	7.4	7.7	8.1	8.5
Chile.....	2.0	2.2	3.5	4.6
Brazil.....	1.9	1.9	2.5	2.4
Bolivia.....	1.4	1.4	1.6	4.5
Cuba.....	0.3	0.3	0.1	0.1
South America and Caribbean	1,990.9	2,094.3	2,075.0	2,201.9
Western Hemisphere	8,480.6	8,740.6	8,960.8	9,002.7
Europe:				
Austria.....	44.0	55.0	60.0	61.5
Germany.....	26.5	33.9	42.3	51.7
Netherlands.....	13.6	13.6	15.6	17.7
France.....	5.6	6.6	7.0	10.0
Hungary.....	10.5	9.5	14.0	14.0
Yugoslavia.....	3.2	3.2	3.0	3.0
Algeria.....	—	0.8	1.8	1.7
French Morocco.....	1.6	2.1	2.1	2.4
Italy.....	0.4	1.3	1.8	2.1
United Kingdom.....	0.9	1.1	1.1	1.2
Europe excluding U.S.S.R. and satellites	106.3	126.3	148.7	165.3
U.S.S.R.	842.0	940.0	1,040.0	1,145.0
Romania.....	100.0	90.8	105.0	127.5
Poland.....	3.7	4.0	4.0	4.0
Albania.....	3.0	3.0	3.0	3.0
Czechoslovakia.....	1.9	2.5	2.5	2.5
Total	950.6	1,040.3	1,154.5	1,282.0
Europe.....	1,056.9	1,166.6	1,303.2	1,447.3
Near and Middle East:				
Kuwait.....	563.0	752.4	862.0	960.0
Saudi Arabia.....	761.5	822.5	844.6	950.8
Iraq.....	174.6	383.4	576.1	634.2
Qatar.....	49.6	68.4	85.2	99.8
Egypt.....	44.7	45.0	45.2	37.7
Bahrein.....	30.0	30.1	30.1	30.1
Iran.....	350.0	27.5	26.8	100.0
Turkey.....	0.4	0.4	0.5	0.6
Neutral Zone.....	—	—	—	15.6
Near and Middle East	1,973.8	2,129.7	2,470.5	2,828.8
Far East and Oceania:				
Indonesia.....	151.7	170.9	206.0	213.4
British Borneo.....	103.0	104.5	101.0	100.8
India.....	5.3	5.5	5.4	6.1
Japan.....	6.4	5.8	5.8	5.9
New Guinea.....	4.8	4.7	4.8	11.0
Pakistan.....	3.6	4.1	4.8	5.3
Burma.....	2.2	2.3	3.8	3.8
China.....	2.0	2.0	2.0	2.4
Far East	279.0	299.8	332.6	348.7
Eastern Hemisphere	3,309.7	3,596.1	4,106.3	4,624.8
World total	11,790.3	12,336.7	13,067.1	13,627.5

Crude Petroleum Producers, 1954

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton	Stoney Creek
Ontario¹:		
Albot Gas & Oil Limited	10 Adelaide St. E., Toronto	Aldborough
Aldborough Oil & Gas Co.	Rodney	Aldborough
Anderson, G., Estate	Petrolia	Enniskillen
Annett, S.C.	Cairo	Euphemia
Ayrheart, E.J.	Oil Springs	Petrolia and Enniskillen
Barnes, A.G.	Petrolia	Petrolia and Enniskillen
Bradford Oil & Gas Co.	Rodney	Aldborough
Braybrook, A.E.	Petrolia	Enniskillen
Brennan, R.J.	Petrolia	Petrolia
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Canadian Oil Companies Limited	204 Richmond St. W., Toronto 1	Petrolia and Enniskillen
Cole, W.J.	Petrolia	Petrolia and Enniskillen
Comfort, Alex. ²	102 Inshes Ave., Chatham	Dover
Copeland, Mrs. R.	Petrolia	Petrolia and Enniskillen
Corey, H.	Petrolia	Petrolia and Enniskillen
Crown Oil & Gas Company	Rodney	Aldborough
Demaray, Nichols, Parkinson & Jewell ..	Oil Springs	Euphemia
DeMers, N.E.	Oil Springs	Petrolia and Enniskillen
Dennis, Mrs. L.	Oil Springs	Petrolia and Enniskillen
Dillon, T.	Leamington	Petrolia and Enniskillen
Dominion Natural Gas Co. Ltd.	315 Colborne St., Brantford	Aldborough and Dunwich
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F.H.	Petrolia	Petrolia and Enniskillen
Elliott, H. & Rawson, G.	Petrolia	Petrolia
Fairbank, H.H., Estate	Petrolia	Petrolia and Enniskillen
Felmont Oil Corporation	Rodney	Aldborough
Goudie, E.	Petrolia	Sarnia
Hamlin, F.G.	Petrolia	Petrolia and Enniskillen
Heal, A.A.	Watford	Warwick and Adelaide
Holmes, E.B.	Bothwell	Zone
Imperial Oil Ltd.	56 Church St., Toronto	Sombra, Euphemia, Mosa and Moore
Inglis Mills	Petrolia	Enniskillen
Irwin, Foster	Petrolia	Petrolia and Enniskillen
Jewell & Morningstar	Oil Springs	Enniskillen
Johnson, E.	Petrolia	Petrolia and Enniskillen
Kane, O.	Bothwell	Mosa
Kells, E.E.	Petrolia	Petrolia and Enniskillen
Kerr, J. J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E. A.	Bothwell	Zone
Lather, D.C., Estate	Thamesville	Euphemia
Lennan, Lloyd A.	Petrolia	Petrolia and Enniskillen
Lewis & Lewis	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
Marcus, L.	Wallacetown	Dunwich
McCutcheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McGaffey, E. ²	Bothwell	Zone
McRoberts & March	Bothwell	Zone
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H.M.	Oil Springs	Petrolia and Enniskillen
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Pattinson, Mrs. E.	Aylmer W.	Dover
Pope, H.O.	Bothwell	Zone
Pope, Wm.	Bothwell	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover East and Raleigh
Roth, E.L.	114 Hillsdale St., Hillsdale, Mich., U.S.A.	Aldborough and Brooke
Shain, Viola	Petrolia	Petrolia and Enniskillen
Slack, C.M.	Petrolia	Petrolia and Enniskillen
Stanley & McCrie	Bothwell	Camden Gore
Sutherland, B.M.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Warwick, Joseph	Oil Springs	Petrolia and Enniskillen
Whitlock, B., Estate	Petrolia	Petrolia and Enniskillen
Wilson-Sullivan Development Co.	112 S. Christina St., Sarnia	Warwick
Woodward, Wm.	Oil Springs	Petrolia and Enniskillen
Yerks, Frank	Petrolia	Petrolia and Enniskillen

Crude Petroleum Producers, 1954 — Continued

Name	Address	Location of field
Manitoba:		
Banff Oil Ltd.	505 - 8th Ave. W., Calgary, Alberta	Viriden and Roselea
British American Oil Company Limited	Bay & College Sts., Toronto, Ontario	Roselea
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Viriden
Canadian Devonian Petroleum Ltd.	409 McCallum Hill Bldg., Regina, Sask.	Viriden and Roselea
Canadian Pipe Lines Petroleum Ltd.	213-6th Ave. W., Calgary, Alberta	Viriden
Canadian Prospect Limited	203 Oil Exchange Bldg., Calgary, Alberta ..	Viriden
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alberta	Viriden
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary, Alberta	Daly
Dome Exploration (Western) Limited	528-9th Ave. W., Calgary, Alberta	North Scallion, Ebor, and Weldhouse
Imperial Oil Limited	56 Church St., Toronto, Ontario	Viriden
Northern Development Company Limited	Box 456, Edmonton, Alberta	Pierson and Tilston
Pascars Oils Limited	516 Toronto General Trusts Bldg., Winnipeg	Coulter
Roselea Syndicate	Viriden	Viriden and Roselea
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Lulu Lake
Rutledge, Paul F.	Box 2239, Sante Fe, New Mexico, U.S.A. ..	Hayhurst
Souris Valley Oil Co. Limited	201 Avenue Building, Winnipeg	Viriden and Daly
Sun Oil Company	Drawer 39, Calgary, Alberta	Viriden
Saskatchewan:		
Alminster Oils Limited	73 Adelaide St. W., Toronto, Ontario	Lloydminster
American Northland Oil Company	127 Montgomery St., San Francisco 4, Cal- ifornia, U.S.A.	Lloydminster and Silverdale
Anglo-American Exploration Limited	326-9th Ave. W., Calgary, Alberta	Gull Lake
Armena Petroleum Limited	101 Alexandra Bldg., Calgary, Alberta	Lone Rock
Barlow Bros. Limited	735-32nd St. W., Calgary, Alberta	Lloydminster
Barnhill Syndicate, 2 & 3	Lloydminster	Silverdale
Beaver State Wilrich Excelsior Limited	222 Tegler Bldg., Edmonton, Alberta	Silverdale
British American Oil Co. Limited	Bay & College Sts., Toronto, Ontario	Lloydminster
Calalta Petroleum Ltd.	630 - 8th Ave. W., Calgary, Alberta	Lloydminster
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Wapella
Canadian Delhi Oil Ltd.	505-8th Ave., Calgary, Alberta	Cypress Hills
Canso Oil Producers Ltd.	940-8th Ave., Calgary, Alberta	Lloydminster
Canadian Gulf Oil Company	Box 130, Calgary, Alberta	Various
Cavalcade Oils	150-1st Ave. S., Saskatoon	Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited.	569 Howe St., Vancouver, British Columbia	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, British Columbia	Lloydminster
Danzker & Associates	705 Childs Bldg., Winnipeg, Manitoba	Lloydminster
Do-Mor Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alberta ...	Lloydminster
Donna Oils	150-1st Ave. S., Saskatoon	Dulwich
Edoran Oil Corp. Ltd.	709-8th Ave. W., Calgary, Alberta	Lloydminster
Edson Oil Co. Ltd.	80 King St. W., Toronto, Ontario	Lloydminster
Elk Oils Ltd.	Box 188, Humboldt	McLaren
Excelsior Refineries Ltd.	227 Tegler Bldg., Edmonton, Alberta	Lloydminster
Fair Oil & Gas Ltd.	Lloydminster	Lloydminster
Fargo Oils Ltd.	133-6th Ave. E., Calgary, Alberta	Lone Rock, Silverdale and Epping
Franco Castle Syndicate	678 Howe St., Vancouver, British Columbia	Lloydminster
Glen Oils Ltd.	Lloydminster	Lloydminster
Hayden, F. T.	Lloydminster	Lloydminster
Hudson's Bay Oil & Gas Co. Ltd.	534-8th Ave. W., Calgary, Alberta	Various
Humboldt Petroleum Syndicate	Humboldt	Lloydminster
Husky Oil & Refining Ltd.	630-8th Avenue W., Calgary, Alberta	Lloydminster
Ibstone Petroleum Limited	North Battleford	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Various
Karels & Rennie	Swift Current	Lloydminster
Liberal Petroleum Ltd.	Box 638, Edmonton, Alberta	Lone Rock
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Manitou Syndicate	Lloydminster	Lloydminster and Silverdale
Marion Oils Limited	712 McCallum - Hill Bldg., Regina	Lloydminster
Marshall Petroleum Ltd.	602 Bamlett Bldg., Calgary, Alberta	Lloydminster
Medhurst & Coverdale	1134-8th Ave. W., Calgary, Alberta	Silverdale
Millmak Co. Ltd.	152-1st Ave. S., Saskatoon	Dulwich
Mowat, R. D., Limited	10454-82nd Ave., Edmonton, Alberta	Lloydminster
New Devon Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alberta ...	Lloydminster
North American Chemicals Ltd.	306-15th Ave. E., Calgary, Alberta	Lloydminster and Dulwich
North Canadian Oils Ltd.	515-8th Ave. W., Calgary, Alberta	Dina and Marsden
Oilwell Operators Ltd.	232 Loughheed Bldg., Calgary, Alberta	Moose
Palmer Oil Development Co. Ltd.	1921 S. Railway St., Regina	East Wapella
Porosity Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alberta ...	Dulwich
Quest Oil Syndicate	2317-25th Ave. N. W., Calgary, Alberta ...	Dulwich
Republic No. 5	Lloydminster	Lloydminster

1. Producer of 300 barrels or more during the year.

2. Producer and driller.

Crude Petroleum Producers, 1954 - Continued

Name	Address	Location of field
Saskatchewan — concluded:		
Republic Oils Ltd.	Hardy	Lloydminster
Ribstone Valley Petroleum Ltd.	80 King St. W., Toronto, Ontario	Lloydminster
Rogers, A. S.	Lloydminster	Silverdale
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Coleville
Rutledge, Paul	Midale	Midale
Saskatoon Petroleum	150-1st Ave. S., Saskatoon	Lloydminster
Shell Oil Company	Box 100, Calgary, Alberta	Midale
Socony-Vacuum Oil Co. of Canada, Ltd.	Barron Bldg., Calgary, Alberta	Various
Sohio Petroleum Company	11th & Albert St., Regina	Wapella and Fosterton
Sooner Petroleum Ltd.	Box 601, Regina	Midale
Tide Water Associated Oil Company ..	Royal Bank Bldg., Regina	Various
Trans Empire Oils Ltd.	627-8th Ave. W., Calgary, Alberta	Buffalo Coulee
Trans-Western Oils Ltd.	631 Hornby St., Vancouver, B.C.	Lloydminster
Twin River Petroleum (Alberta) Ltd. ..	222 Tegler Bldg., Edmonton, Alberta	Dulwich
Valentia Oil Corp. Ltd.	228 King St. E., Toronto, Ontario	Dulwich
Wilrich Petroleum Ltd.	66 King St. W., Toronto, Ontario	Lloydminster
Yukon Oils Ltd.	10454-82nd Ave., Edmonton, Alberta	Lloydminster
Alberta:		
Ace Oils Ltd.	122-8th Ave. W., Calgary	Lloydminster
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Leduc-Woodbend and Acheson
Albedena Oils Ltd.	231-8th Ave. W., Calgary	Leduc
Albermont Petroleum Ltd.	25 Adelaide St. W., Toronto, Ontario	Joarcam, Drumheller West and Duhamel
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	513-8th Ave. W., Calgary	Redwater
American Leduc Petroleum Ltd.	10168-100th St., Edmonton	Bashaw
American Northland Oil Co.	Wainwright	Wainwright
Amurex Oil Development Co.	703-5th St. W., Calgary	Cessford
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary	Stettler
Anglo-Canadian Oil Company Limited ..	900 Lancaster Bldg., Calgary	Turner Valley and Elk Point
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Armistie Oil Co. Ltd.	205 Mercantile Bldg., Edmonton	Armistie
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Bailey, Selburn Oil & Gas Ltd.	901-8th Avenue W., Calgary	Leduc
Barlow Development Ltd.	735-32nd St. N. W., Calgary	Lloydminster
Barons Oil Limited	305 Foothills Bldg., Calgary	Barons
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Leduc-Woodbend
Bay Petroleum Corporation	Box 957, Denver, Colorado, U.S.A.	Leduc
Big Five Petroleum Ltd.	Box 114, Edmonton	Leduc-Woodbend
British American Oil Company Limited ¹ ..	King & Yonge Sts., Toronto, Ontario	Turner Valley and Redwater
British Colonial No. 1 Well	Pacific Bldg., Calgary	Turner Valley
British Petroleum Limited	404-6th Ave. W., Calgary	Leduc-Woodbend
California Standard Company	200 Greyhound Bldg., Calgary	Taber, Conrad and Princess
Calmar West Oils Ltd.	420 Empire Bldg., Edmonton	Leduc
Calvan Consolidated Oil & Gas Company Limited ..	624-9th Ave. W., Calgary	Various
Calwin-Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Canadian Atlantic Oil Company Ltd.	700 Petroleum Bldg., Calgary	Leduc
Canadian Bishop Oil Ltd.	209-211 Bamlett Bldg., Calgary	Redwater
Canadian Decalta Gas & Oils Limited ..	703-5th St. W., Calgary	Leduc-Woodbend, Rimbey, and Joarcam
Canadian Delhi Oil Ltd.	1004 Barron Bldg., Calgary	Vermilion
Canadian Fina Oil Limited	407 Bamlett Bldg., Calgary	Bulward
Canadian Gulf Oil Company	Tulsa 2, Oklahoma, U.S.A.	Pincher Creek, Redwater and Stettler.
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary	Various
Canadian Prospect Ltd.	203 Oil Exchange Bldg., Calgary	Fenn-Big Valley
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary	Excelsior
Canroc Oils Ltd.	108 Baltzan Bldg., Edmonton	Leduc
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary	Bon Accord and Stettler
Castle Oil & Gas Ltd.	231-8th Ave. W., Calgary	Leduc-Woodbend
Central Leduc Oils Ltd.	224-9th Ave. W., Calgary	Various
Chamberlain Oil & Gas Ltd.	237 Tegler Bldg., Edmonton	Chamberlain
Charter Oil Co. Ltd.	111 Petroleum Bldg., Calgary	Redwater
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Commoll Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Drilling Company Limited ² ..	4 Clarence Bldg., Calgary	
Commonwealth Petroleum Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster

1. Operated an absorption plant.
2. Drilling only.

Crude Petroleum Producers, 1954 - Continued

Name	Address	Location of field
Alberta — continued:		
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia	Leduc
Consolidated Cordasun Oils Ltd.	512-4th Ave. W., Calgary	Stettler
Consolidated East Crest Oil Company Limited	735-8th Ave. W., Calgary	Turner Valley
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Avenue D North, Saskatoon, Sask.	Leduc-Woodbend
Consumers' Exploration Company Ltd.	211 Ave. D North, Saskatoon, Sask.	Princess
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Dalo Oils Limited	Lloydminster	Lloydminster
Daveroy Oil Co. Ltd.	10439-82nd Ave., Edmonton	Camrose
Dempsey Oils Limited	109 Canadian Bank of Commerce Bldg., Calgary	Leduc-Woodbend
Desilets, A.A.	Kitscoty	Lloydminster, Blackfoot
Dome Exploration (Western) Ltd.	528-9th Ave. W., Calgary	Redwater, Drumheller, Armena
Dundee Oils Ltd.	Royal Bank Bldg., Edmonton	Leduc
Eastside Petroleum Limited	1210-11th Ave. W., Calgary	Turner Valley
Edmonton-Wainwright Oils Limited	8 McDougall Court, Edmonton	Wainwright
Eldon Royal American Model	201 Lancaster Bldg., Calgary	Legal
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Exterior Petroleum Limited	Kitscoty	Lloydminster
Federal Oils Syndicate	605 Lancaster Bldg., Calgary	Princess
Federated Petroleum Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Flamingo Oils Limited	402-100 Adelaide St. W., Toronto, Ontario.	Various
Flank Petroleum Limited	735-8th Ave. W., Calgary	Leduc-Woodbend
Flier's Oil Limited	81 St. George's Crescent, Edmonton	Leduc
Flock Gas & Oil Corporation Limited	114-7th Ave. W., Calgary	Denhart
Foothills Oil & Gas Company Limited	232 Lougheed Bldg., Calgary	Turner Valley
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
General Petroleum of Canada Limited	224-9th Ave. W., Calgary	Leduc-Woodbend
Godfrey-Lehman Lloydminster Syndicate	304 Lancaster Bldg., Calgary	Lloydminster
Golden Spike Western Petroleum Ltd.	809 Centre St., Calgary	Armena, Camrose
Granleduc Oils (Alberta) Ltd.	227 Tegler Bldg., Edmonton	Lloydminster
Granville Oils Limited	122-8th Ave. W., Calgary	Turner Valley
Great Plain's Development Company of Canada Limited	528-9th Ave. W., Calgary	Drumheller, Leduc and Joffre
Halcro Oil Limited	210 Barry Bldg., Edmonton	Campbell
Hales Oil & Gas Limited	735-8th Ave. W., Calgary	Whitemud
Harris Wells Limited	201 Lancaster Bldg., Calgary	Turner Valley
High Crest Oils Limited	609 Herald Bldg., Calgary	Campbell
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley, Leduc and Redwater
Hudson's Bay Oil & Gas Co., Ltd.	534-8th Ave. W., Calgary	Leduc and Turner Valley
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Independent Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
Kali Ltd.	231-8th Ave. W., Calgary	Leduc
Kamalta Well Operators Limited	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Limited	1718 West 5th Ave., Vancouver, B.C.	McLeod
Keno Oils Limited	10182-103rd St., Edmonton	Leduc
L.B. Oils Limited	Municipal Airport, Edmonton	Leduc and Woodbend
Leader Petroleum Limited	818-8th Ave. W., Calgary	Leduc
Leduc Calmar Oil Co. Ltd.	131-11th Ave. W., Calgary	Leduc
Leo Oil & Gas Ltd.	237 Tegler Bldg., Edmonton	Wainwright
Liberal Petroleum Ltd.	Box 638, Edmonton	Blackfoot, Lloydminster
Lloydminster Development Company Ltd.	Lloydminster	Lloydminster
Locksley Petroleum Ltd.	Edmonton	Leduc
Major National Oils Limited	407 Lancaster Bldg., Calgary	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Marjack Oils Limited	10125-101st St., Edmonton	Leduc
Marlea Oils Limited	223-7th Ave. E., Calgary	Lea Park
Maryland Petroleum Limited	309-8th Ave. W., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
McGregor Mitchell Oils Limited	11546 Jasper Ave., Edmonton	Leduc and Woodbend
Melton Petroleum Limited	10154-103rd St., Edmonton	Leduc and Acheson
Merrill Petroleum Limited	510 A-8th Ave. W., Calgary	Leduc
Metro Oil and Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Mic Mac Oils Limited	11536 Jasper Ave., Edmonton	Leduc, Joarcam and Legal
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Montalban Oils Limited	512 Alexandra Bldg., Edmonton	Barons

1. Operated an absorption plant.
2. Drilling only.

Crude Petroleum Producers, 1954 — Continued

Name	Address	Location of field
Alberta — continued:		
Morgro Oil Operators Limited	Peace River	Lloydminster
Naco Limited	528-9th Ave. W., Calgary	Drumheller
National Petroleum Corp. Limited	401 Leeson-Lineham Bldg., Calgary	Turner Valley and Del Bonita
Nationwide Minerals Limited	129 Adelaide St. W., Toronto, Ontario	Lloydminster
New British Dominion Oil Co. Limited	304 Toronto General Trusts Bldg., Calgary	Turner Valley
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleum Ltd.	409 Lancaster Bldg., Calgary	Turner Valley
New Pacalta Oils Co. Ltd.	80 King St. W., Toronto, Ontario	Whitemud
New Richfield Petroleum Limited	1002 Lancaster Bldg., Calgary	Leduc and Campbell
New Superior Oils of Canada Limited	224-9th Ave. W., Calgary	Joseph Lake, Lloydminster, Redwater and Drumheller
Northland Oils Ltd.	401- Leeson-Lineham Bldg., Calgary	Turner Valley
Northwell Operators Limited	904 Lancaster Bldg., Calgary	Redwater and Woodbend
Nufield Operators Limited	308 Northgate Bldg., Edmonton	Various
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Redwater
Oil City Petroleum Limited	11902-74th Ave., Edmonton	Leduc
Oilwell Operators Limited	232 Lougheed Bldg., Calgary	Erskine
Okalta Oils Limited	Renfrew Bldg., Calgary	Turner Valley and Leduc
Pacific Petroleum Limited	700 Petroleum Bldg., Calgary	Turner Valley, Princess, Red- water and Excelsior
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary	Lloydminster
Pan Western Oils Limited	940 Eighth Ave. W., Calgary	Leduc
Petal Ltd.	528-9th Ave. W., Calgary	Various
Petro-Uranium of Canada Limited	718-5th St. W., Calgary	Leduc
Phillips Petroleum Company	501 Petroleum Bldg., Calgary	Various
Ponder Oils Limited	402 Bamlett Bldg., Calgary	Leduc and Woodbend
Porosity Petroleum Limited	308 Northgate Bldg., Edmonton	Leduc
Premium Petroleum Ltd.	525 Seymour St., Vancouver, B.C.	Lloydminster
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary	Leduc and Morinville
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary	Turner Valley
Renfrew Producers & Operators Limited ..	818-8th Ave. W., Calgary	Various
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary	Turner Valley
Rio-Prado Consolidated Oils Limited	129-6th Ave. E., Calgary	Chauvin and Red Coulee
Ross Petroleum Ltd.	10168-100th St., Edmonton	Leduc and Woodbend
Royal American Oil Co. Ltd.	7911-101st St., Edmonton	Leduc-Woodbend and Legal
Royal Canadian Oils Limited	615 Credit Foncier Bldg., Vancouver, B.C.	Turner Valley and Lloydminster
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	239-6th Ave. W., Calgary	Turner Valley
Sage Oil Company Limited	10824-82nd Ave., Edmonton	Leduc and Rosenheim
Sapphire Petroleum Limited	15½ King St. E., Toronto, Ontario	Leduc
Sasko-Wainwright Oil & Gas	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	714 First National Bldg., Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Oils Limited	624-9th Ave. W., Calgary	Leduc
Seaboard Oil Company	630-8th Ave. W., Calgary	Redwater
Security Freehold Petroleum Limited	Nanton Bldg., Winnipeg, Manitoba	Leduc
Selbay Exploration Limited	901-8th Ave. W., Calgary	Joffe
Share Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Shell Oil Co. of Canada Limited	25 Adelaide St., Toronto, Ontario	Jumping Pound
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Camrose and Legal
Socony-Vacuum Oil Co. of Canada Ltd.	Barron Bldg., Calgary	Duhamel
Southwest Petroleum Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Sovereign Royalties Limited	409-Third St. W., Calgary	Turner Valley
Sparmac Petroleum Limited	100 Alexandra Bldg., Edmonton	Ellerslie
Stanolind Oil and Gas Company	308-9th Ave. W., Calgary	Various
Sturgeon Petroleum Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Sun Oil Company	Barron Bldg., Calgary	New Norway
Sunset Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Tangent Oils Limited	204 Wilson Electric Bldg., Calgary	Blackfoot
Taylor Petroleum Operators Limited	627-8th Ave. W., Calgary	Leduc and Stettler
Texaco Exploration Company	237-7th Ave. W., Calgary	Redwater and Calmar
Trans-Canada Petroleum Limited	10920-88th Ave., Edmonton	Pembina and Erskine
Transfield Petroleum Limited	513 Lougheed Bldg., Calgary	Redwater
Trans-Western Oils Limited	610-207 W. Hastings St., Vancouver, B. C.	Blackfoot
Trican Petro-Chemical Corporation	1410 Stanley St., Montreal, Quebec	Bonnyville
Trident Drilling Co. Ltd.	803-8th St. W., Calgary	Wainwright
Trinidad Leaseholds (Canada) Ltd.	184 Bay St., Toronto, Ontario	Leduc
Tri-Tor Oils Limited	1410 Stanley St., Montreal, Quebec	Bonneyville and Cold Lake
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Union Oil Co. of California	709-8th Ave. W., Calgary	Fairydell
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley

1. Operated an absorption plant.
2. Drilling only.

Crude Petroleum Producers, 1954 — Concluded

Name	Address	Location of field
Alberta — concluded:		
Vanalta Limited	Johnston St., Granville Island, Vancouver, British Columbia	Leduc-Woodbend
Vanbar Oils Ltd.	Fort Trail and 70th St., Edmonton	Lloydminster
Vanlorne Oils Ltd.	Royal Bank Bldg., Edmonton	Leduc
Wain-Con Oils Limited	112 Thomas Bldg., Edmonton	Wainwright
Wainwright Petroleum Ltd.	10625-99th Ave., Edmonton	Wainwright
Wakefield, E.F.	307 Union National Bank Bldg., Wichita, Kansas, U.S.A.	Leduc and Woodbend
Wesberta Oils Ltd.	80 King St. W., Toronto, Ontario	Lloydminster
West Canadian Petroleum Ltd.	709-8th Ave. W., Calgary	Various
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Redwater
Western Petroleum Operators Limited	406 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.	213-6th Ave. W., Calgary	Leduc
Westside Royalties Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ontario	Leduc and Alliance
Widney Oil & Drilling Co. Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
York Oils Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1953 amounted to 120,735,214 thousand cubic feet valued at \$12,482,109. These figures include the natural gas sold for domestic, industrial and other uses, and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste and meter differences, was valued at a nominal wellhead price.

In Alberta, the Turner Valley field was the chief producer at 27,131,642 M cubic feet and the Viking-Kinsella field was next with 22,218,424 M cubic feet. Output increased in Saskatchewan to

3,333,077 M cubic feet and in Ontario to 10,015,818 M cubic feet, and the production in New Brunswick increased slightly.

Employed by the industry were 2,887 persons to whom \$8,864,662 were paid in salaries and wages. Fuel cost \$242,583 and 1,717,875 kwh. of electricity were purchased for \$44,426. Process supplies cost \$75,395.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry. Firms which did not have producing wells may not have been included in this compilation.

TABLE 20. Principal Statistics for the Natural Gas Industry¹, Significant Years 1921 - 1954

Year	Operating wells	Employees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ² value of production
	No.	No.	\$	\$	\$	\$	\$
1921	2,021	885	882,907	N.A.	N.A.	4,594,164	N.A.
1929	2,298	1,953	2,275,147	41,590	N.A.	8,555,971	N.A.
1931	2,444	1,692	2,072,022	26,921	N.A.	8,232,822	N.A.
1933	2,515	1,367	1,650,815	53,994	N.A.	7,725,951	N.A.
1937	3,268	2,028	2,488,125	75,690	23,190	9,037,326	8,938,446
1939	3,352	1,990	2,536,220	82,877	15,520	10,732,543	10,634,146
1941	3,424	2,161	2,841,795	103,229	4,975	11,223,103	11,114,899
1944	3,621	1,810	2,885,654	188,003	13,149	9,772,357	9,571,205
1946	3,825	1,655	2,491,361	226,980	21,457	10,588,175	10,339,738
1949	3,927	2,223	4,713,266	58,960	4,552	17,582,512	17,519,000
1950	3,991	2,618	5,703,524	130,504	55,676	6,444,215	6,258,035
1951	3,985	2,658	6,491,234	126,301	48,583	6,691,223	6,516,339
1952	4,122	2,573	7,296,092	95,722	240,944	5,854,051	5,517,385
1953	3,688	2,769	8,073,532	291,366	45,911	6,856,501	6,519,224
1954	3,572	2,887	8,864,662	287,009	75,395	8,286,809	7,930,405

1. See footnote to Table 21.

2. Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 21. Principal Statistics, for the Natural Gas Industry¹, by Provinces, 1953 and 1954

Province	Operating wells	Employees	Earnings	Cost of fuel & electricity	Cost of process supplies	Gross value of production	Net ² value of production
	No.	No.	\$	\$	\$	\$	\$
1953							
New Brunswick	39	53	149,611	4,172	2,000	151,777	145,605
Ontario	3,377	1,508	4,197,876	17,235	8,992	3,883,588	3,857,361
Saskatchewan	7	15	40,746	2,933	—	21,629	18,696
Alberta	265	1,193	3,685,299	267,026	34,919	2,799,507	2,497,562
Canada	3,688	2,769	8,073,532	291,366	45,911	6,856,501	6,519,224
1954							
New Brunswick	39	52	163,255	4,273	4,231	153,790	145,286
Ontario	3,211	1,630	4,911,401	11,167	5,188	4,006,327	3,989,972
Saskatchewan	13	16	49,781	1,368	—	94,659	93,291
Alberta	309	1,189	3,740,225	270,201	59,976	4,032,033	3,701,856
Canada	3,572	2,887	8,864,662	287,009	69,395	8,286,809	7,930,405

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

2. Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 22. Production of Natural Gas, 1945-1954

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1945	48,411,585	12,309,564	1950	67,822,230	6,433,041
1946	47,900,484	12,165,050	1951	79,460,667	7,158,920
1947	52,656,567	13,429,553	1952	88,686,465	9,517,638
1948	58,603,269	15,632,507	1953	100,985,923	10,877,017
1949	60,457,177	11,620,302	1954	120,735,214	12,482,109

TABLE 23. Production of Natural Gas, by Provinces, 1945-1954

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	M cubic feet					
1945	653,230	7,199,970	163,824	40,393,061	1,500	48,411,585
1946	541,010	7,051,309	209,569	40,097,096	1,500	47,900,484
1947	489,810	7,785,921	274,193	44,106,643	—	52,656,567
1948	420,352	8,590,429	477,271	48,965,217	150,000	58,603,269
1949	375,035	8,024,213	812,916	51,179,779	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	29,085	120,735,214

TABLE 24. Production¹ of Natural Gas, by Provinces, 1953 and 1954

Province	1953		1954	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	177,112	131,368	183,457	136,405
Ontario	9,708,969	3,883,588	10,015,818	4,006,327
Saskatchewan	1,422,128	127,992	3,333,077	291,644
Alberta	89,651,605	6,723,870	107,173,777	8,038,033
Northwest Territories	26,109	10,199	29,085	9,700
Canada	100,985,923	10,877,017	120,735,214	12,482,109

1. Sold and used by producers.

TABLE 25. Production¹ of Natural Gas, by Months and by Provinces, 1954

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
	M cu. ft.				
January.....	20,451	1,212,655	272,233	13,572,484	15,078,439
February.....	17,300	1,240,448	240,187	9,690,464	11,190,860
March.....	18,306	999,386	312,009	10,555,770	11,887,456
April.....	16,627	893,765	280,156	9,232,324	10,425,699
May.....	15,608	865,664	195,921	7,314,314	8,393,004
June.....	12,072	472,641	152,700	6,780,099	7,419,045
July.....	10,555	409,059	158,237	6,163,324	6,744,214
August.....	11,363	448,114	219,979	6,236,634	6,920,083
September.....	13,315	510,510	258,232	6,689,764	7,475,150
October.....	15,187	794,557	328,939	9,054,204	10,195,984
November.....	15,574	1,002,337	376,028	9,984,629	11,382,133
December.....	17,099	1,166,682	538,456	11,899,767	13,623,147
Total.....	183,457	10,015,818	3,333,077	107,173,777	120,735,214

1. Sales and consumption by producers.

2. Includes 29,085 M cu. ft. in the Northwest Territories.

TABLE 26. Production of Natural Gas in Alberta, by Fields, 1954

Field	M cu. ft.	Field	M cu. ft.
Pakowki Lake	7,250,569	Turner Valley	27,131,642
Jumping Pound.....	12,242,139	Viking-Kinsella, Wainwright.....	22,218,424
Leduc-Woodbend	10,034,477	Other fields and areas	20,981,545
Medicine Hat, Redcliff	7,314,981	Total Alberta	107,173,777

Note: Does not include waste gas and meter differences in field, amounting to 28 mill' on M cu. ft. in 1954.

TABLE 27. Production of Natural Gas in Ontario, by Fields, 1953 and 1954

County	Field	1953	1954
		M cu. ft.	
Middlesex and Elgin.....	Mosald.....	585,371	547,673
Essex	Kingsville.....	—	13,729
	Tilbury	1,745,755	1,592,897
	Dover.....	79,643	95,668
Kent	Harwich.....	—	2,515
	DeClute.....	232,262	226,884
	Chatham and Carden Gore.....	97,790	114,187
	Zone	99,165	140,268
	Bickford	—	240
	Colinville	—	278,428
	Duthill.....	—	2,857
	Enniskillen.....	—	323
	Payne	—	861,108
Lambton	Seckerton	—	267,959
	Sombra.....	—	201,288
	Waubuno	—	696
	Dawn	712	1,227
	Kimball	4,247,472	2,976,367
	Becher.....	102,948	88,289
	Bayham and Malahide	16,929	10,929
Elgin.....			
Haldimand	Haldimand	1,313,761	1,551,614
Lincoln.....			
Wentworth.....			
Brant.....	Brant	18,810	9,460
Norfolk	Norfolk	517,872	469,147
Oxford.....	Brownsville and Norwich	57,708	52,681
Welland.....	Welland	596,771	509,384
Total produced		9,708,969	10,015,818

TABLE 28. Number of Gas Wells, by Provinces, 1952-1954

	New Brunswick	Ontario	Saskatchewan	Alberta	Canada
	Number				
Productive wells at beginning of year	1952 39	3,713	15	196	3,963
	1953 39	3,858	5	217	4,119
	1954 39	3,377	7	252	3,675
Number of productive wells drilled	1952 —	235	—	25	260
	1953 —	152	2	38	192
	1954 —	160	5	33	198
Number of dry wells drilled	1952 —	108	—	3	111
	1953 —	137	—	13	150
	1954 —	—	1	4	5
Number of wells abandoned	1952 —	123	10	4	137
	1953 —	679 ¹	—	3	682
	1954 —	167	—	5	172
Productive wells at end of year	1952 39	3,858	5	217	4,119
	1953 39	3,377	7	252	3,675
	1954 39	3,211	12	280	3,541

1. Includes 502 private and surface wells which the Ontario government has ceased to carry.

TABLE 29. Natural Gas Pipeline Mileage, 1953 and 1954

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1953	1954	1953	1954	1953	1954	1953	1954
New Brunswick	20	20	65	65	36	36	73	73
Ontario	2,326	2,291	2,118	1,903	4,072	4,043	2,422	1,997
Saskatchewan	49	43	31	26	60	54	28	22
Alberta	1,466	1,481	1,503	1,466	4,227	4,359	2,009	1,939
Canada	3,861	3,835	3,717	3,460	8,395	8,492	4,532	4,031

TABLE 30. Sales¹ of Manufactured and Natural Gas, 1953 and 1954

	1953			1954		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M. cu. ft.	\$		M. cu. ft.	\$
Manufactured gas:						
Domestic	526,707	13,339,655	19,066,442	516,354	13,774,510	19,646,067
House heating	7,124	2,217,741	2,258,110	7,709	2,344,294	2,400,026
Industrial	11,247	4,459,714	4,529,141	6,010	4,222,401	4,470,081
Commercial	26,487	5,851,563	6,344,750	31,819	5,971,479	6,576,416
Miscellaneous	5	3,337	22,327	306	1,964	26,051
Total	571,570	25,882,010	32,220,770	562,498	26,314,648	33,118,641
Natural gas:						
Domestic	258,587	30,382,846	18,667,428	282,366	37,060,804	22,380,324
Industrial	1,931	24,283,833	6,129,571	1,785	30,274,724	6,981,540
Commercial	22,907	16,007,808	5,291,485	25,227	19,803,344	6,686,579
Miscellaneous	444	193,478	78,762	476	327,966	92,275
Total	283,869	70,667,965	30,167,246	309,854	87,466,838	36,140,718
Total — all gas	855,439	96,549,975	62,388,016	872,352	113,781,486	69,259,359

1. Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 31. Sales¹ of Natural Gas, by Areas, 1953 and 1954

	1953		1954	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M cu. ft.	\$	M cu. ft.	\$
Eastern Canada				
Domestic	8,882,268	10,723,336	10,377,986	11,989,711
Industrial	2,204,309	2,402,260	2,090,933	2,230,511
Commercial	1,445,414	1,611,581	1,653,265	1,769,598
Miscellaneous ²	51,562	57,934	50,524	51,058
Total	12,583,553	14,795,111	14,172,708	16,040,878
Western Canada				
Domestic	21,500,578	7,944,092	26,682,818	10,390,613
Industrial	22,079,524	3,727,311	28,183,791	4,751,029
Commercial	14,562,394	3,679,904	18,150,079	4,916,981
Miscellaneous ²	141,916	20,828	277,442	41,217
Total	58,284,412	15,372,135	73,294,130	20,099,840
Canada — Total				
Domestic	30,382,846	18,667,428	37,060,804	22,380,324
Industrial	24,283,833	6,129,571	30,274,724	6,981,540
Commercial	16,007,808	5,291,485	19,803,344	6,686,579
Miscellaneous ²	193,478	78,762	327,966	92,275
Total	70,867,965	30,167,246	87,466,838	36,140,718

1. See footnote to Table 30.
2. Includes some free customers.

TABLE 32. Employees and Their Earnings in the Natural Gas Industry, 1953 and 1954

—	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1953						\$	\$	\$
New Brunswick	—	—	51	2	53	—	149,611	149,611
Ontario	257	210	1,039	2	1,508	1,299,750	2,898,126	4,197,876
Saskatchewan	2	3	10	—	15	17,057	23,689	40,746
Alberta	190	58	916	29	1,193	812,951	2,872,348	3,685,299
Canada	449	271	2,016	33	2,769	2,129,758	5,943,774	8,073,532
1954								
New Brunswick	—	—	51	1	52	—	163,255	163,255
Ontario	245	205	1,172	8	1,630	1,209,122	3,702,279	4,911,401
Saskatchewan	5	4	7	—	16	30,729	19,052	49,781
Alberta	179	50	931	29	1,189	798,996	2,941,229	3,740,225
Canada	429	259	2,161	38	2,887	2,038,847	6,825,815	8,864,662

TABLE 33. Number of Workmen in the Natural Gas Industry, by Months, 1953 and 1954
(On the last work-day of each month)

Month	1953			1954		
	Male	Female	Total	Male	Female	Total
January	1,518	29	1,547	1,633	42	1,675
February	1,458	28	1,486	1,615	38	1,653
March	1,517	27	1,544	1,682	37	1,719
April	1,645	32	1,677	1,781	37	1,818
May	1,998	30	2,028	2,113	35	2,148
June	2,183	33	2,216	2,356	40	2,396
July	2,326	37	2,363	2,524	41	2,565
August	2,453	37	2,490	2,603	42	2,645
September	2,482	38	2,520	2,636	37	2,673
October	2,459	37	2,496	2,574	39	2,613
November	2,234	36	2,270	2,376	38	2,414
December	1,792	36	1,828	1,884	36	1,920
Average	2,016	33	2,049	2,161	38	2,199
Man-hours worked			4,634,960			5,554,150

TABLE 34. Employees and Their Earnings in the Natural Gas Industry, 1950-1954

Year	Number of employees					Number of man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
							\$	\$	\$
1950	370	210	2,021	17	2,618	5,765,721	1,217,041	4,486,483	5,703,524
1951	376	226	2,033	23	2,658	5,891,454	1,570,612	4,920,622	6,491,234
1952	412	236	1,895	30	2,573	5,807,212	1,960,862	5,335,230	7,296,092
1953	449	271	2,016	33	2,769	6,079,939	2,129,758	5,943,774	8,073,532
1954	429	259	2,161	38	2,887	6,762,532	2,038,847	6,825,815	8,864,662

Note. Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

Directory of Firms in the Natural Gas Industry, 1954

1. Distributing only. 3. Drilling only.
2. Drilling and producing. 4. Using or selling gas from absorption plant.

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
Bain, Lyons & Werner	Fisherville	Cayuga South
Barnhart, Mr. & Mrs. E.	Stevensville	Bertie
Barrick, R., & H. Heighton	R.R. 2, Wainfleet	Wainfleet
Bates, Norman	Port Colborne	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	
Beacon Syndicate	Fort Erie	Humberstone

Directory of Firms in the Natural Gas Industry, 1934 — Continued

Name	Address	Location of field
Ontario — continued:		
Beaver Oil & Gas Syndicate	67 Yonge St., Toronto	Walpole
Benner, Alvin and Jack	Sherkston	Humberstone
Benner, K.W.	Fisherville	Rainham
Bertie Township Gas & Oil Syndicate ..	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Booth, A.E.	1986 Drummond Rd., Niagara Falls	Willoughby and Bertie
Boyers Creek Gas Syndicate	Chippawa	Willoughby
Britco Oils Limited	67 Yonge St., Toronto	Tilbury East
Buck, J.L.	Port Rowan	Walsingham South
Campbell, L.G.	Kingsville	Gosfield South
Canfield Natural Gas Company Limited..	Dunnville	Cayuga North
Caughell Bros.	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga	Cayuga South
Central Pipe Line Company Limited ² ...	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Senaca Gas Syndicate	Cayuga	Senaca
Chambers, H.M.	Sherkston	Humberstone
Chambers, Dr. H.W.	Chippawa	Willoughby
Comfort, A.	Chatham	Raleigh and Tilbury
Consolidated West Petroleum Limited ...	19 Melinda St., Toronto	Romney
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
D. & M. Syndicate	Fort Erie	Bertie
Daubarie, A. ²	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Syndicate	Fort Erie	Bertie
Dell-Burn Gas Limited ²	Dunnville	Various
Dennis, G. R., & Sons ²	Sherkston	Walpole
Deshaies, M.	Stevensville	Humberstone
Dickout Bros.	Lowbanks	Moulton
Dickout, Leroy	Lowbanks	Sherbrooke
Dickson & Mercer	Hagersville	Oneida
Dominion Natural Gas Company, Limited ²	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Norfolk, Haldimand, Welland, Essex and Kent
Dover Gas Syndicate	Drawer 200, Fort Erie	Woodhouse
Earleejune Fish Co.	Dunnville	Dunn
Edmund Gas Syndicate	Port Colborne	Humberstone
Elk Development Syndicate	Port Colborne	Humberstone
Emerson, H. L.	Dunnville	Moulton, Canboro, Gainsboro, Cayuga South and Wainfleet
Erie Prospecting Syndicate	Ridgeway	Bertie
Falls View Gas Syndicate	Fort Erie	Stamford
Fisherville Gas Co.	Fisherville	Rainham
Fitzgerald, W. J.	South Cayuga	Cayuga South
Fleet Manufacturing Limited	Fort Erie	Bertie
Fletcher, Eva	Glanford Station	Binbrook
Fox, E. S.	Welland	Thorold
Franklin, Stanley	Port Maitland	Dunn
George, Mrs. A.	Fort Erie	Bertie
George, F.	Fort Erie	Bertie
Glenard Ltd.	Dunnville	Woodhouse, Townsend, Windham, Walsingham South and Walpole
Grand Gas Co.	Dunnville	Moulton
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited ..	Grimsby	Caistor, Gainsboro and Canboro
Haidon & MacDonald	Chippawa	Willoughby
Haidon, L. & P.	Chippawa	Willoughby
Haldimand Gas Syndicate	Cayuga	Rainham and Cayuga North
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Heise & Marton Gas Syndicate	Welland	Welland
Hercules Gas & Oil Syndicate	Ridgeway	Moulton
Highbank Oil Limited	Chatham	Raleigh
High-Grade Natural Gas Company Ltd. ..	Chatham	Dover
Hock, Albert	Wainfleet	Wainfleet
Horton, A.	Port Colborne	Humberstone
Houk Syndicate	Dunnville	Moulton
House, C. C.	Stevensville	Bertie
Imperial Oil Ltd.	56 Church St., Toronto	Moore, Sombra, Raleigh and Dover
J. & J. Gas Co.	Dunnville	Dunn

Directory of Firms in the Natural Gas Industry, 1934 - Continued

Name	Address	Location of field
Ontario - continued:		
Jackson, P. L. ²	Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn and Cayuga South
Jenkins, S.S.	Fort Erie	Bertie and Townsend
Kerr, Robert	York	Senaca
Kin-Mar Gas Syndicate ²	Fort Erie	Bertie and Willoughby
Kinsey, L. & O.	Lowbanks	Sherbrooke
Kramer, Harry	Port Colborne	Humberstone
Lake Shore Gas & Oil Syndicate	Ridgeway	Bertie
Lake Shore Gas Company	20 Duke St., Hamilton	Dunn
Lapp & Arendt	Stevensville	Bertie
Leamington, Town of ¹	Leamington	
Lincoln Natural Gas Co. Ltd.	Dunnville	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
Locators Oils Limited	139 Lake Shore Drive, Toronto	Cayuga South
London, City of, Gas Company ¹	London	
Lymburner Bros. and Webber	Dunnville	Cayuga North, Rainham and Walpole
MacAnn Wall Gas Syndicate	Fort Erie	Bertie
MacIntyre & Hawkins	Fort Erie	Humberstone
Maguire, J.	Clifford	Walpole and Woodhouse
Makaton, John	Fort Erie	Bertie
Manock Gas Syndicate	Fort Erie	Bertie
McKechnie, S., Estate	Dunnville	Walpole
Medina Gas Syndicate	Welland	Crowland
Mehlenbacher, L. B., Gas Syndicate	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul	Fort Erie	Willoughby
Minor & Luck	Barrie	Sherbrooke
Mitchell, S. T.	Dunnville	Dunn
Mohawk Gas & Oil Syndicate Limited	421 Main St. E., Hamilton	Oneida and Walpole
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Morningstar, Roy	Ridgeway	Bertie
Mulgrave Gas Syndicate	Stevensville	Bertie
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Nevada Gas Syndicate	Fort Erie	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece Bros.	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich	Sherbrooke
North Cayuga Gas Co.	King & Hughson Sts., Hamilton	Cayuga North
North Shore Gas Co.	Selkirk	Rainham
Noyes, L. A., Estate	Stevensville	Willoughby
Palcso, J.	Wainfleet	Wainfleet
Patterson & Culver	Dunnville	Dunnville
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Petrol Oil & Gas Co. Ltd.	414 Bay St., Toronto	Oneida, Onondaga and Tuscarora
Port Colborne-Welland Gas Co.	Port Colborne	Senaca, Cayuga North, Oneida and Onondaga
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover
Provincial Gas Company Limited	Fort Erie	Humberstone, Willoughby, Bertie and Crowland
Queenston Gas & Oil Co. Ltd.	Fort Erie	Willoughby, Walsingham South, Oneida and Woodhouse
Rae, Robert	Niagara Falls	Humberstone
Raydis Oil & Gas Company Limited	118 King St. W., Chatham	Norfolk
Reicheld, F.W. ²	Jarvis	Walpole
Richmount Developments Ltd.	Ridgeway	Bertie
Riverside Syndicate	Welland	Welland
Rocks Mills Gas & Oil Co.	London	Norwich South
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Frank	Ridgeway	Bertie
Round, Mrs. J. S.	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruch, K. C.	Stevensville	Bertie
Ruegg, J. A.	Ridgeway	Bertie
Sandusk Gas Syndicate	Fisherville	Walpole
Shank & Snively	Hagersville	Oneida
Sherbrook Gas Syndicate	Dunnville	Sherbrooke
Sherk & Carrothers	Sherkston	Humberstone

Directory of Firms in the Natural Gas Industry, 1954 — Continued

Name	Address	Location of field
Ontario — concluded:		
Sherk & Learn	Sherkston	Humberstone
Sherk, Bert	Stevensville	Bertie
Sherkston Gas Syndicate	Sherkston	Humberstone
Shurr, Ivan	Cayuga	Rainham
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Humberstone
Sider, Ralph ²	Ridgeway	Moulton and Bertie
Simon, B.	Chippawa	Willoughby
Smith & Ehde	Lowbanks	Moulton and Dunn
Smith, H.	373 Oak Ave., Windsor	Romney
Southern, J.	Welland	Crowland
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Star Gas Syndicate	Ridgeway	Crowland, Humberstone and Bertie
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin ²	Jarvis	Bertie and Thorold
Sundy Natural Gas Co.	Dunnville	Canboro
Sunnyside Gas Syndicate	Welland Junction	Humberstone
Swayze, H.	Hagersville	Oneida
T. H. & G. Syndicate	Fort Erie	Bertie
Tanke, E.	16 Irving Place, Buffalo, N. Y., U.S.A.	Thorold, Bertie and Humberstone
Tri-County Gas & Oil Co. Ltd.	Tillsonburg	Norwich South
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited ..	Chatham	Tilbury, De Clute, Dover, Dawn, Camden Gore, Zone, Haldimand and Chatham
Valencourt Gas Syndicate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Wale, H.	Stevensville	Humberstone
Walpole Gas Syndicate	Cayuga	Walpole, Cayuga North and Senaca
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Weaver, Frank	Port Colborne	Humberstone
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
Western Ashley Minerals Ltd.	Wyoming	Aldborough and Mosa
Wilkinson Gas Syndicate	Fort Erie	Thorold
Willick, J. S.	Stevensville	Willoughby
Zuba, Andrew	Stevensville	Willoughby
Saskatchewan:		
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary, Alberta	Gull Lake
Bata Petroleums Ltd.	310 Broder Bldg., Regina	Unity
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary, Alberta	Lloydminster
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Lone Rock Gas Company	Lloydminster	Lone Rock
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Coleville
Alberta:		
Ace Oils Ltd.	122-8th Ave. W., Calgary	Lloydminster
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Acheson
Ajax Petroleums Limited	302 Bay St., Toronto, Ontario	Morinville
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	622-8th Ave. W., Calgary	Sturgeon Lake
American Leduc Petroleums Ltd.	101 Alexandra Bldg., Edmonton	Leduc and Bashaw
Anglo-Canadian Oil Company Limited ...	900 Lancaster Bldg., Calgary	Turner Valley
Argus Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Athabasca Utilities ¹	Lloydminster	
Bay Petroleum Corporation	Box 957, Denver, Colorado, U.S.A.	Various
Bonnyville Gas Company Limited	Bonnyville	Bonnyville
British American Oil Company Limited ⁴ ..	Royal Bank Bldg., Toronto, Ontario	Turner Valley, Redwater and Leduc
British Petroleums Ltd.	404-6th Ave. W., Calgary	Leduc-Woodbend
California Standard Co.	Medical Arts Bldg., Calgary	Various
Calmar West Oils Ltd.	404 Empire Bldg., Edmonton	Leduc-Woodbend

Directory of Firms in the Natural Gas Industry, 1954 — Continued

Name	Address	Location of field
Alberta — continued:		
Calwin Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Canadian Delhi Oil Ltd.	1004 Barron Bldg., Calgary	Picardville
Canadian Gulf Oil Co.	Box 130, Calgary	Various
Canadian Homestead Oils Ltd.	528-8th Ave. W., Calgary	Various
Canadian-Montana Gas Co., Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte, Pendant d'Oreille, and Smith Coulee
Canadian Pacific Railway Co.	Montreal, Quebec	Medicine Hat
Canadian Western Natural Gas Company Limited	215-6th Ave. W., Calgary	Brooks
Canadian Western Power & Fuel Co. Ltd. Coastal Oils Limited	Redcliff	Redcliff
Commoil Limited	232 Lougheed Bldg., Calgary	Turner Valley
Consolidated East Crest Oil Co. Ltd.	122-8th Ave. W., Calgary	Turner Valley
Dalhousie Oil Company Limited	735-8th Ave. W., Calgary	Turner Valley
Department of National Defence	35 Dominion Bank Chambers, Edmonton ...	Turner Valley
Dominion Glass Company Limited	Suffield	Suffield
Edoran Oil Corp. Ltd.	1111 Beaver Hall Hill, Montreal, Quebec ..	Medicine Hat
Elk Point Gas Co. Ltd.	202 Fitzpatrick Bldg., Calgary	Hanna
Excelsior Refineries Limited	Elk Point	Elk Point
Extension Oil Royalties Limited	227 Tegler Bldg., Edmonton	Lloydminster
Federated Petroleum Ltd.	900 Lancaster Bldg., Calgary	Turner Valley
Flank Petroleum Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Foothills Oil & Gas Co. Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Franco Public Service Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Gem Royalties Limited	Vermilion	Vermilion
Home Oil Company Limited	403 Lancaster Bldg., Calgary	Turner Valley
Hudson's Bay Oil & Gas Company Limited	226 Lougheed Bldg., Calgary	Turner Valley and Leduc
Husky Oil & Refining Ltd.	534-8th Ave. W., Calgary	Viking-Kinsella, Turner Valley, Leduc
Imperial Oil Limited	630-8th Ave. W., Calgary	Lloydminster
Inland Gas & Oil Co. Ltd.	56 Church St., Toronto, Ontario	Turner Valley, Leduc, Wood- bend, Redwater, Lloydminster and Viking-Kinsella
Lloydminster Development Co. Ltd.	35 Dominion Bank Chambers, Edmonton ...	Fabyan
Major Oil Investments Limited	Lloydminster	Lloydminster and Dina
Maple Leaf Milling Co. Ltd.	407 Lancaster Bldg., Calgary	Turner Valley
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Medicine Hat	Medicine Hat
Mic Mac Oils, Ltd.	Box 100, Medicine Hat	Medicine Hat
Mid-Western Industrial Gas Ltd.	11536 Jasper Ave., Edmonton	Leduc
Miracle Oils Limited	10167-99th St., Edmonton	Fort Saskatchewan
Miracle Royalties & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Model Oils Ltd.	301 Lancaster Bldg., Calgary	Turner Valley
National Petroleum Corporation Limited..	201 Lancaster Bldg., Calgary	Turner Valley
New British Dominion Oil Company Limited ..	401 Leeson-Lineham Bldg., Calgary	Turner Valley, Del Bonita and Spring Coulee
New Continental Oil Co. of Canada Ltd.	304 Toronto General Trusts Bldg., Calgary	Stettler
New Davies Petroleum Limited	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Pacalta Oils Ltd.	409 Lancaster Bldg., Calgary	Turner Valley
New Superior Oils of Canada Limited	328 A-8th Ave. W., Calgary	Whitemud
Northland Oils Ltd.	224-9th Ave. W., Calgary	Various
Northwell Operators Limited	401 Leeson-Lineham Bldg., Calgary	Turner Valley
Northwestern Utilities Limited	900 Lancaster Bldg., Calgary	Redwater
Ogilvie Flour Mills Co. Ltd.	10124-104 St., Edmonton	Viking-Kinsella
Okalta Oils Limited	Box 6089, Montreal, Quebec	Medicine Hat
Pacific Petroleum Ltd.	516-10th Ave. W., Calgary	Turner Valley and Leduc
Pan Western Oils Ltd.	700 Petroleum Bldg., Calgary	Redwater, Armena and Peace River
Perry Brick & Tile Co. Ltd.	940-8th Ave. W., Calgary	Leduc
Phillips Petroleum Co.	Redcliff	Medicine Hat
Ponder Oils Ltd.	501 Petroleum Bldg., Calgary	Joarcam
Redcliff Premier Brick Co. Ltd.	213-6th Ave. W., Calgary	Leduc-Woodbend
Redcliff Pressed Brick Co., Ltd.	Redcliff	Redcliff
Renown Royalties Ltd.	Redcliff	Redcliff
Royalite Oil Company Limited ⁴	201 Lancaster Bldg., Calgary	Turner Valley
St. Paul Utilities Ltd.	606-2nd St. W., Calgary	Turner Valley
Share Oils Ltd.	9656 Jasper Ave., Edmonton	St. Paul
Shell Oil Company of Canada Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Southwest Petroleum Company	25 Adelaide St., Toronto, Ontario	Jumping Pound
Sovereign Royalties Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Suffield Gas Supply	409 Third St. W., Calgary	Turner Valley
Sunset Oils Limited	Suffield	Suffield
Taylor Petroleum Operators Ltd.	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Texaco Exploration Company	627-8th Ave. W., Calgary	Leduc
Tilley Gas Co. Ltd.	237-7th Ave. W., Calgary	Bonnie Glen and Wizard Lake
	Tilley	Tilley

Directory of Firms in the Natural Gas Industry, 1954 — Concluded

Name	Address	Location of Field
Alberta — concluded:		
Tri-Tor Oils Ltd.	1410 Stanley St., Montreal, Quebec	Bonnyville
Twin Valley Oil Royalties Ltd.	506 Greyhound Bldg., Calgary	Turner Valley
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
Vanalta Ltd.	Granville Island, Vancouver, B.C.	Leduc-Woodbend
Vermilion Consolidated Oils Ltd.	Box 456, Edmonton	Lloydminster
Wainwright Gas Company Limited ¹	36 Dominion Bank Bldg., Edmonton	
Wainwright Producers & Refiners Ltd.	Wainwright	Wainwright
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Redwater
Western Petroleum Operators Limited	407 Lancaster Bldg., Calgary	Turner Valley
Westside Royalties Limited	232 Lougheed Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc-Woodbend
Widney Oil & Drilling Co. Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
York Oils Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ontario	Fort Norman



CANADA

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1955



Published by Authority of
The Right Honourable C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division
Mineral Statistics Section

NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** – The Primary Industries, including mining, forestry and fisheries; **Volume II** – Manufacturing; **Volume III** – Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

Part I – Mineral Statistics

Part II – Forestry Statistics – Operations in the Woods

Part III – Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A – General Review of the Mining Industry, 50¢
- B – The Gold Mining Industry, 50¢
- C – The Silver-Lead-Zinc Mining Industry, 25¢
- D – The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E – The Miscellaneous Metal Mining Industry, 25¢
- F – The Smelting and Refining Industry, 25¢
- G – The Coal Mining Industry, \$1.00
- H – The Crude Petroleum and Natural Gas Industry, 25¢
- I – The Asbestos Mining Industry, 25¢
- J – The Feldspar and Quartz Mining Industry, 25¢
- K – The Gypsum Industry, 25¢
- L – The Peat Industry, 25¢
- M – The Salt Industry, 25¢
- N – The Talc and Soapstone Industry, 25¢
- O – The Miscellaneous Non-metal Mining Industry, 25¢
- P – The Cement Manufacturing Industry, 25¢
- Q – The Clay and Clay Products Industry, 25¢
- R – The Lime Industry, 25¢
- S – The Sand and Gravel Industry, 25¢
- T – The Stone Industry, 25¢
- U – Contract Drilling in the Mining Industry, 25¢

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1955

(a) THE CRUDE PETROLEUM INDUSTRY

The production of crude petroleum in Canada during 1955 amounted to 129,440,247 barrels valued at \$305,640,036 compared with 96,080,345 barrels valued at \$243,877,030 in 1954.

Wells in Alberta produced over 87 per cent of the Canadian output. The fields in Alberta which had an output in excess of 2 million barrels were, Acheson, Bonnie Glen, Fenn-Big Valley, Golden Spike, Joarcam, Leduc-Woodbend, Pembina, Redwater, Turner Valley and Wizard Lake. Among the new producing areas were, Battle North, Provost, Rycroft, Sindre and Westward Ho.

Saskatchewan's output was double that of the preceding year. The production was 11,317,168 barrels in 1955 and 5,422,899 barrels in 1954. New fields in Saskatchewan were, Battrum, Bone Creek,

Hastings, Lampman, North Premier, Nottingham, Steelman and Weyburn. The output of 4,145,756 barrels in Manitoba during 1955 was twice that of the preceding year. Ontario's production increased 27.4 per cent to 525,510 barrels. There was a production of 404,219 barrels in the Norman Wells area of the Northwest Territories. New Brunswick's production continued to decline.

The industry employed an average of 4,019 persons to whom \$16,948,262 were paid as salaries and wages. Fuel cost \$1,975,320 and 38,118,117 kwh. of electricity were purchased for \$1,313,908. Process supplies were valued at \$5,785,035.

The general statistics refer only to firms which have producing wells, thus some oil-prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, Significant Years, 1921 - 1955

Year	Operating wells	Em- ployees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production
	No.	No.	\$	\$	\$	\$	\$
1921.....	2,828	190	215,791	N.A.	N.A.	641,533	N.A.
1929.....	2,635	2,221	3,748,689	293,354	"	4,368,374	"
1931.....	2,346	1,209	1,634,517	303,511	"	4,733,287	"
1933.....	2,128	718	773,734	136,278	"	3,562,170	"
1937.....	2,328	1,620	2,340,359	471,187	638,779	6,002,639	4,892,672
1939.....	2,389	1,780	2,567,983	707,067	724,988	10,742,977	9,310,922
1941.....	2,312	1,844	3,254,817	609,616	194,182	15,011,324	14,207,526
1944.....	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358	14,575,563
1946.....	2,314	1,563	3,260,571	914,551	109,555	14,725,139	13,701,033
1949.....	3,166	2,142	6,304,601	599,562	386,145	61,091,128	60,105,421
1950.....	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945	82,881,844
1951.....	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729	113,155,236
1952.....	5,833	3,702	14,610,821	1,911,794	2,502,154	139,596,851	135,182,903
1953.....	7,506	4,150	16,430,201	2,447,173	3,020,756	204,481,012	199,013,083
1954.....	8,562	3,870	15,756,455	2,848,332	4,095,789	247,854,366	240,910,245
1955.....	10,467	4,019	16,948,262	3,289,228	5,785,035	310,666,676	301,592,413

1. Gross value of shipments less cost of fuel, electricity and process supplies.
Note. Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics for the Crude Petroleum Industry, by Provinces, 1954 and 1955

Year	Operating wells	Em- ployees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production
	No.	No.	\$	\$	\$	\$	\$
1954							
Ontario.....	1,392	178	447,839	56,445	69,073	1,391,687	1,266,169
Manitoba	325	77	296,751	55,453	96,621	5,556,426	5,404,352
Saskatchewan	1,252	591	2,308,681	326,498	360,913	8,227,268	7,539,857
Alberta.....	5,541	3,000	12,633,690	2,400,813	3,569,182	232,325,165	226,355,170
Northwest Territories	26	24	69,494	9,123	—	353,820	344,697
Canada.....	8,562 ²	3,870	15,756,455	2,848,332	4,095,789	247,854,366	240,910,245
1955							
Ontario.....	1,433	157	374,246	50,661	47,531	1,599,335	1,501,143
Manitoba	611	114	446,141	112,040	185,039	9,566,783	9,269,704
Saskatchewan	1,764	729	2,985,583	692,336	1,149,817	18,461,798	16,619,645
Alberta.....	6,614	2,994	13,069,993	2,431,546	4,402,648	279,875,950	273,041,756
Northwest Territories	28	25	72,299	2,645	—	1,162,810	1,160,165
Canada.....	10,467 ³	4,019	16,948,262	3,289,228	5,785,035	310,666,676	301,592,413

1. Gross value of shipments less cost of fuel, electricity and process supplies.

2. Includes 26 wells in New Brunswick.

3. Includes 17 wells in New Brunswick.

TABLE 3. Production of Crude Petroleum, by Provinces, 1954 and 1955

Province	1954		1955	
	Barrels	\$	Barrels	\$
New Brunswick.....	13,046	18,265	12,548	17,567
Ontario.....	412,474	1,391,687	525,510	1,599,335
Manitoba	2,148,184	5,619,649	4,145,756	9,618,154
Saskatchewan	5,422,899	8,183,304	11,317,168	18,317,968
Alberta.....	87,713,855	228,319,165	113,035,046	274,901,232
Northwest Territories	369,887	344,960	404,219	1,185,780
Canada.....	96,080,345	243,877,030	129,440,247	305,640,036

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1953 - 1955

Field	1953	1954	1955	Field	1953	1954	1955
Barrels				Barrels			
Acheson.....	2,497,850	2,756,232	2,698,527	Leahurst.....	—	241	—
Acheson East.....	—	53,524	58,976	Leduc-Woodbend.....	21,360,474	20,560,789	20,421,285
Alhambra.....	—	—	27,238	Legal.....	68,687	60,241	49,247
Alliance.....	25,594	20,207	396	Little Smoky.....	—	—	95,024
Armistie.....	78,956	57,448	22,916	Lloydminster.....	1,059,552	1,101,235	1,221,505
Barons.....	44,372	43,833	38,980	Malmo.....	671,785	697,053	739,720
Bashaw.....	35,049	39,111	48,294	Morinville.....	5,028	8,101	7,897
Battle.....	53,856	84,105	116,642	Namao.....	81,788	56,040	48,507
Battle North.....	—	—	35,751	Nevis.....	—	14,596	15,450
Battle South.....	—	—	173,705	New Norway.....	325,142	339,990	360,910
Baxter Lake.....	41,335	30,268	33,912	Oberlin.....	237	153	97
Bonnie Glen.....	5,550,715	6,960,330	7,826,622	Peavey.....	46,795	53,401	49,485
Bonnyville.....	45,051	42,530	37,100	Pembina.....	—	800,404	14,795,375
Campbell.....	40,238	39,827	48,805	Pincher Creek.....	—	—	—
Cessford.....	85,903	267,319	233,007	Princess.....	28,057	20,648	12,430
Chamberlain.....	29,323	21,265	8,158	Provost.....	—	—	1,345
Chauvin.....	90,747	151,082	163,721	Redwater.....	23,281,597	24,895,984	28,506,532
Chauvin South.....	—	10,594	9,268	Rocky Mountain House	—	—	39,573
Clive.....	148,919	202,844	227,920	Rycroft.....	—	—	308
Conrad.....	126,170	117,230	104,290	St. Albert.....	—	88,998	70,574
Del Bonita.....	38,543	38,145	31,500	Samson.....	14,914	13,478	7,868
Dina.....	11,203	9,100	11,319	Skaro.....	9,345	2,671	—
Drumheller.....	278,862	277,258	272,370	Spring Coulee.....	6,832	4,478	2,548
Duhamel.....	535,986	538,010	599,574	Stettler.....	438,041	897,168	1,832,836
Ellerslie.....	41,043	45,978	37,651	Sturgeon Lake.....	—	17,265	78,276
Erskine.....	48,897	201,102	567,184	Sturgeon Lake South	—	70,189	680,566
Ewing Lake.....	—	—	42,756	Sundre.....	—	—	207,654
Excelsior.....	1,060,555	1,163,649	1,084,643	Taber.....	66,779	114,078	110,519
Fairydell-Bon Accord	204,864	312,045	555,028	Turner Valley.....	2,404,967	2,137,907	2,056,439
Fenn-Big Valley.....	2,223,186	6,492,733	7,546,666	Vermilion.....	35,475	1,427	—
Gilby.....	—	—	50,205	Wainwright.....	68,726	119,429	207,517
Gilby West.....	—	—	46,436	Wayne.....	—	—	87,492
Glenevis.....	—	—	38,868	West Drumheller.....	539,586	1,089,720	1,227,687
Glen Park.....	414,978	464,875	468,426	Westerose.....	930,073	1,372,193	1,742,259
Golden Spike.....	2,167,636	2,549,518	3,400,517	Westward Ho.....	—	—	124,312
Hamilton Lake.....	—	92,882	128,104	Whitelaw.....	—	—	—
Homeglen Rimbey.....	—	226,961	417,763	Whitemud.....	18,262	14,799	11,770
Joarcam.....	—	4,858,380	4,792,878	Wizard Lake.....	3,095,287	3,706,921	3,720,011
Joffre.....	28,814	560,560	1,690,090	Other areas.....	6,214,276	615,889	631,503
Jumping Pound.....	96,033	109,424	164,238				
Kessler.....	—	—	10,081	Total Alberta.....	76,816,383	87,713,855	113,035,046

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1954 and 1955

Field	1954	1955	Field	1954	1955
barrels			barrels		
Alida.....	5,613	247,357	Maidstone.....	10,793	9,137
Battrum.....	—	21,027	Marengo.....	4,452	3,475
Bone Creek.....	—	77,164	Marsden.....	33,204	33,376
Cantuar.....	100,724	639,630	Midale.....	152,048	478,586
Coleville-Smiley.....	1,985,372	3,439,005	Midway.....	—	—
Dollard.....	217,404	322,533	Moose.....	18,133	11,130
Eastend.....	599	—	North Premier.....	1,787	1,135
Forget.....	21,419	9,970	Nottingham.....	—	265,069
Fosterton.....	211,875	1,353,259	Rapdan.....	—	—
Frobisher.....	56,923	237,290	Ratcliffe.....	9,789	11,261
Gull Lake.....	327,789	547,524	South Illerbrun.....	736	—
Hastings.....	—	21,321	Steelman.....	337,993	197,457
Hoosier.....	13,129	12,924	Success.....	—	1,154,977
Instow.....	22,349	3,860	Wapella.....	216,470	261,697
Java.....	4,966	1,996	Waseca.....	16,050	22,553
Lampman.....	—	25,900	Weyburn.....	—	66,765
Leon Lake.....	9,678	6,135	Other areas.....	16,761	62,163
Lloydminster.....	892,332	945,815			
Lone Rock.....	695,810	727,846			
McLaren.....	38,705	97,831	Total Saskatchewan.....	5,422,899	11,317,168

TABLE 6. Production of Crude Petroleum in Ontario, by Fields, 1953-1955

Field	1953	1954	1955
	Barrels		
Petrolia and Enniskillen	35,395	33,431	35,932
Oil Springs	27,067	26,010	27,457
Moore township	2,479	3,426	7,920
Sarnia township	69	—	32
Plympton township	—	—	—
Bothwell township and Thamesville	10,227	9,309	10,663
Dover, Romney, Raleigh, Tilbury and Brooke	1,362	2,914	3,837
Onondaga	—	—	—
Mosa township	14,290	13,525	12,689
Dunwich	1,877	1,774	1,872
Dawn, Euphemia and Harwich	1,246	835	2,748
Warwick, Metcalfe and Aldborough townships	142,676	263,012	365,873
Sombra township	62,997	57,164	49,712
Watford, Camden Gore and McGillivray	—	1,074	6,775
Total	299,685	412,474	525,510

TABLE 7. Production of Crude Petroleum, 1946-1955

Year	Barrels	\$	Year	Barrels	\$
1946	7,585,555	14,989,052	1951	47,615,534	116,655,238
1947	7,692,492	19,575,682	1952	61,237,322	143,038,212
1948	12,286,660	37,418,895	1953	80,898,897	200,582,276
1949	21,305,348	61,118,490	1954	96,080,345	243,877,030
1950	29,043,788	84,619,937	1955	129,440,247	305,640,036

TABLE 8. Production of Crude Petroleum, by Provinces, 1946-1955

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
	Barrels of 35 Imperial gallons						
1946	28,584	123,082	—	118,686	7,137,921	177,282	7,585,555
1947	23,129	131,295	—	540,117	6,770,477	227,474	7,692,492
1948	21,372	176,989	—	849,166	10,888,592	350,541	12,286,660
1949	19,544	260,670	—	782,188	20,087,418	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	369,887	96,080,345
1955	12,548	525,510	4,145,756	11,317,168	113,035,046	404,219	129,440,247

TABLE 9. Production of Crude Petroleum, by Months, 1955

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Barrels of 35 Imperial gallons							
January	1,082	36,310	273,599	670,343	8,966,151	13,042	9,960,527
February	1,018	35,471	261,004	675,835	8,134,459	43,344	9,151,131
March	1,056	38,469	299,224	624,507	9,566,622	46,487	9,576,365
April	872	39,926	219,508	573,585	6,747,332	48,011	7,629,234
May	1,000	44,020	245,899	780,369	8,606,716	32,793	9,710,797
June	1,003	49,944	335,328	931,012	9,488,564	22,973	10,828,824
July	1,038	45,229	395,976	1,062,522	10,857,387	24,154	12,386,306
August	1,115	50,304	420,180	1,188,047	10,177,337	28,690	11,865,673
September	1,189	48,187	412,405	1,110,419	9,282,697	38,309	10,893,206
October	1,104	46,164	442,119	1,281,983	10,767,932	32,979	12,572,281
November	1,111	44,584	425,117	1,199,976	10,623,050	31,855	12,325,693
December	960	46,902	415,397	1,218,570	10,816,799	41,582	12,540,210
Total	12,548	525,510	4,145,756	11,317,168	113,035,046	404,219	129,440,247

TABLE 10. Production and Sales of Natural Gasoline in Alberta, 1953-1955

	1953	1954	1955
Production—by fields:			
Acheson	bbl. —	5,754	15,429
Bonnie Glen	—	6,060	118,516
Fenn-Big Valley	—	3,104	3,752
Jumping Pound	33,706	56,190	56,798
Leduc-Woodbend	82,241	93,843	116,736
Turner Valley	486,421	508,613	545,313
Total Alberta	602,368	673,564	856,544
Sales	593,119	647,206	853,530
Sales	\$ 1,766,307	1,979,471	2,463,133

Note. Natural gasoline is not included in the crude petroleum figures since 1950.

TABLE 11. Petroleum Wells, by Provinces, 1953-1955

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	Northwest Territories	Canada
Number							
Productive wells at beginning of year:							
1953	26	1,381	33	390	3,372	26	5,228
1954	26	1,423	96	633	4,454	28	6,660
1955	17 ¹	1,392	279 ¹	920 ¹	5,061 ¹	26	7,695 ¹
Number of productive wells drilled:							
1953	—	82	66	457	1,361	2	1,968
1954	—	45	181	292	805	—	1,323
1955	—	51	276	535	1,260	2	2,124
Number of wells abandoned:							
1953	—	19	3	114	279	—	415
1954	—	8	—	31	212	2	253
1955	—	14	5	30	158	—	207
Number of dry wells drilled:							
1953	—	23	8	233	425	—	689
1954	—	—	42	320	294	—	656
1955	—	—	49	287	294	—	630
Number of productive wells in operation at end of year:							
1953	26	1,423	96	633	4,454	28	6,660
1954	26	1,392	277	894	5,047	26	7,662
1955	17	1,433	550	1,425	6,163	28	9,616

1. Adjustment.

TABLE 12. Employees¹ and Their Earnings in the Crude Petroleum Industry, 1954 and 1955

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1954								
Ontario.....	32	11	135	—	178	146,460	301,379	447,839
Manitoba	33	4	40	—	77	142,816	153,935	296,751
Saskatchewan	218	37	334	2	591	1,066,677	1,242,004	2,308,681
Alberta.....	571	142	2,250	37	3,000	3,395,994	9,237,696	12,633,690
Northwest Territories	1	—	23	—	24	5,494	64,000	69,494
Canada	855	194	2,782	39	3,870	4,757,441	10,999,014	15,756,455
1955								
Ontario.....	25	12	120	—	157	130,646	243,600	374,246
Manitoba	44	5	65	—	114	210,832	235,309	446,141
Saskatchewan	232	55	442	—	729	1,281,614	1,703,969	2,985,583
Alberta.....	545	89	2,335	25	2,994	3,350,114	9,719,879	13,069,993
Northwest Territories	1	—	24	—	25	6,299	66,000	72,299
Canada	847	161	2,986	25	4,019	4,979,505	11,968,757	16,948,262

1. Employment in New Brunswick included in Natural Gas Industry.

TABLE 13. Employees and Their Earnings in the Crude Petroleum Industry, 1951-1955

Year	Number of employees					Number of man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
							\$	\$	\$
1951	367	86	2,684	48	3,185	8,552,655	1,750,913	9,767,868	11,518,781
1952	537	119	3,018	28	3,702	9,574,639	2,520,231	12,090,590	14,610,821
1953	784	161	3,153	52	4,150	10,506,225	3,875,318	12,554,883	16,430,201
1954	855	194	2,782	39	3,870	10,013,487	4,757,441	10,999,014	15,756,455
1955	847	161	2,986	25	4,019	10,031,173	4,979,505	11,968,757	16,948,262

Note. Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 14. Workmen, by Months, in the Crude Petroleum Industry, 1954 and 1955 (Number on pay-roll on the last work-day of each month)

Month	1954			1955		
	Male	Female	Total	Male	Female	Total
January	2,693	35	2,728	2,914	20	2,934
February	2,626	35	2,661	2,856	22	2,878
March	2,763	38	2,801	2,835	21	2,856
April	2,731	39	2,770	2,631	22	2,653
May	2,667	41	2,708	2,709	21	2,730
June	2,712	41	2,753	2,982	22	3,004
July	2,883	41	2,924	3,060	24	3,084
August	2,822	43	2,865	3,148	27	3,175
September	2,702	40	2,742	3,127	25	3,152
October	2,775	42	2,817	3,086	26	3,112
November	2,903	40	2,943	3,164	24	3,188
December	2,838	40	2,878	3,121	24	3,145
Average	2,782	39	2,821	2,986	25	3,011
Total man-hours worked			7,172,485			6,730,152

TABLE 15. Imports of Petroleum, Asphalt and Their Products, 1954 and 1955

Item	1954		1955	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not..... cwt.	626,365	888,404	575,836	756,359
Asphalt oil for paving..... gal.	141,092	17,550	62,161	10,309
Oil, imported by miners or mining companies, for the concentration of ores or metals..... "	212,191	220,316	237,026	301,717
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah. M gal.	2,757,017	212,495,975	3,033,732	229,479,786
Crude petroleum, n.o.p. gal.	12,682	1,212	6,865	635
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah., when imported by oil refiners to be refined..... gal.	3,898,805	289,779	3,997,349	298,973
Fuel oil, ex-warehoused, for ships' stores.... "	8,241,704	374,021	1,707,577	78,024
Aviation gasoline..... "	82,586,802	16,792,527	108,868,252	22,121,081
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p. "	18,891,972	2,110,799	12,145,176	1,437,002
Engine distillate, .8017 specific gravity or heavier at 60° Fah. "	168,770	22,611	83,425	11,661
Gasoline, lighter than .8236 specific gravity at 60° Fah. "	113,653,640	15,513,545	94,157,324	12,930,013
Natural casinghead, compression or absorp- tion gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° Fah., when im- ported by refiners of crude petroleum for blending with gasoline wholly produced in Canada..... "	20,339,110	2,235,291	8,327,999	768,045
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon..... gal.	25,022,572	4,692,544	32,442,930	6,240,585
Lubricating oils, 25 cents and over..... "	9,547,985	4,210,962	12,002,774	5,247,081
Oils, mineral, n.o.p. "	1,804,263	1,408,322	1,539,377	1,451,660
Stove oil, No. 1 fuel oil..... "	100,437,596	11,493,374	127,314,955	14,222,312
Light fuel oils, Nos. 2 and 3..... "	346,340,659	34,404,784	319,497,097	32,600,124
Heavy fuel oils, Nos. 4, 5 and 6..... "	311,874,664	17,763,829	364,898,427	22,041,062
Diesel fuel..... "	63,358,128	6,885,224	81,611,284	8,812,113
Tractor fuel..... "	—	—	—	—
Petroleum greases and lubricating greases, n.o.p. lb.	14,185,990	1,547,172	18,709,142	1,939,918
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes..... —	—	599,348	—	669,470
Paraffin wax..... lb.	34,241,819	2,109,685	42,655,909	2,659,343
Paraffin wax candles..... "	293,436	98,999	271,697	86,986
Products of petroleum, n.o.p. gal.	11,232,414	3,525,971	14,297,211	3,710,785
Liquefied petroleum gases..... lb.	265,319,376	3,091,301	222,223,243	2,581,828
Naphtha, including solvent naphtha..... gal.	10,597,362	2,193,845	15,719,849	3,111,709

TABLE 16. Exports of Petroleum and its Products, 1954 and 1955

Item	1954		1955	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude..... gal.	82,073,183	6,317,578	519,189,000	36,253,134
Oil, coal and kerosene, refined..... "	3,550	889	5,745	1,429
Gasoline and naphtha..... "	15,367,007	2,006,976	12,733,657	1,898,420
Fuel oil..... "	1,553,002	141,689	18,011,565	1,540,484
Lubricating oil..... "	41,756	100,788	57,146	195,692
Oil, mineral, n.o.p. "	110	230	22,730	2,987
Wax, mineral..... cwt.	13,998	108,713	1,815	27,268

TABLE 17. Canadian Crude Petroleum Supply, 1941-1955

Year	Canadian production	Imports	Exports ¹	Apparent supply
Barrels of 35 Imperial gallons				
1941	10,133,838	46,791,026	—	56,924,864
1942	10,364,796	44,120,212	—	54,485,008
1943	10,052,302	49,753,782	—	59,806,084
1944	10,099,404	57,047,826	—	67,147,230
1945	8,482,796	56,806,214	—	65,289,010
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,948	172,619,067
1955	129,440,247	86,792,460	14,833,971	201,398,736

1. Exports were comparatively small prior to 1951 and may be neglected.

TABLE 18. Receipts of Crude Petroleum by Canadian Refineries, 1951-1955

Year	Maritimes and Quebec	Ontario	Manitoba, Saskatchewan, Alberta and Northwest Territories	British Columbia	Canada
Barrels					
1951:					
Canadian	—	13,855,078	33,330,847	—	47,185,925
Imported	59,054,655	15,943,314	90,516	8,051,088	83,139,573
Total	59,054,655	29,798,392	33,421,363	8,051,088	130,325,498
1952:					
Canadian	—	20,030,188	38,355,581	508,862	58,894,631
Imported	61,373,935	13,657,565	29,042	7,406,780	82,467,322
Total	61,373,935	33,687,753	38,384,623	7,915,642	141,361,953
1953:					
Canadian	—	22,954,227	43,711,979	2,679,381	69,345,587
Imported	64,439,523	11,066,468	7,446	5,892,673	81,406,110
Total	64,439,523	34,020,695	43,719,425	8,572,054	150,751,697
1954:					
Canadian	—	35,284,938	44,139,544	13,255,337	92,679,819
Imported	66,202,831	8,808,162	2,249	1,759,789	76,773,031
Total	66,202,831	44,093,100	44,141,793	15,015,126	169,452,850
1955:					
Canadian	—	38,848,811	48,891,081	17,310,671	105,050,563
Imported	76,796,694	9,954,434	—	—	86,751,128
Total	76,796,694	48,803,245	48,891,081	17,310,671	191,801,691

TABLE 19. World Crude Oil Production, 1953 - 1955
(From "World Petroleum")

	1953	1954	1955
	Thousands of barrels daily		
North America:			
United States	6,465.7	6,346.0	6,752.0
Canada	221.6	262.7	347.5
Mexico	198.5	226.8	241.2
Total	6,885.8	6,835.5	7,340.7
South America:			
Venezuela	1,765.1	1,897.2	2,152.3
Colombia	110.4	109.5	107.6
Argentina	78.5	81.3	83.2
Trinidad	61.2	65.0	67.4
Peru	44.0	46.7	47.0
Ecuador	8.1	8.4	9.5
Chile	3.5	4.8	6.9
Brazil	2.5	2.6	5.8
Bolivia	1.6	4.5	7.7
Cuba	0.1	0.2	0.9
Total	2,075.0	2,220.2	2,488.3
Western Hemisphere	8,960.8	9,055.7	9,829.0
Europe and Africa:			
Austria	60.0	62.0	65.0
Germany	42.3	51.8	61.4
Netherlands	15.6	17.8	19.5
France	7.0	9.8	15.5
Yugoslavia	3.0	4.2	3.0
Algeria	1.8	1.6	1.2
French Morocco	2.1	2.4	2.2
Italy	1.8	1.5	4.3
United Kingdom	1.1	1.2	1.2
Total (excluding U.S.S.R. and satellites)	134.7	152.3	173.3
U.S.S.R.	1,040.0	1,145.0	1,300.0
Romania	140.0	150.0	150.0
Hungary	14.0	14.0	24.0
Poland	4.0	4.0	4.0
Albania	3.0	3.0	6.0
Czechoslovakia	2.5	2.5	2.5
Total	1,203.5	1,318.5	1,486.5
Total Europe and Africa	1,338.2	1,470.8	1,659.8
Near and Middle East:			
Kuwait	862.0	955.8	1,106.0
Saudi Arabia	844.6	952.6	964.1
Iraq	576.1	628.7	682.0
Iran	26.8	56.0	322.7
Qatar	85.2	104.9	114.2
Egypt	45.2	37.7	31.7
Bahrein	30.1	30.1	30.0
Neutral zone	—	16.5	25.7
Turkey	0.5	1.1	3.2
Total	2,470.5	2,783.4	3,279.6
Far East and Oceania:			
Indonesia	206.0	218.1	239.5
British Borneo	101.0	98.8	106.5
Japan	4.8	5.9	6.1
India	5.4	6.8	6.9
New Guinea	5.8	10.8	9.6
Pakistan	4.8	5.0	5.6
Burma	3.3	3.4	4.0
China	2.0	2.0	2.5
Total	331.1	350.8	380.7
Eastern Hemisphere	4,141.8	4,605.0	5,320.1
World total	13,102.6	13,660.7	15,149.1

Crude Petroleum Producers, 1955

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton.....	Stoney Creek
Ontario¹:		
Albot Gas & Oil Limited	10 Adelaide St. E., Toronto	Aldborough
Aldborough Oil & Gas Co.....	Rodney	Aldborough
Anderson, G., Estate	Petrolia	Enniskillen
Annett, S.C.	Cairo	Euphemia
Ayrheart, E.J.	Oil Springs	Petrolia and Enniskillen
Barnes, A.G.	Petrolia	Petrolia and Enniskillen
Barnes, H.	Petrolia	Enniskillen
Bradford Oil & Gas Co.	Rodney	Aldborough
Braybrook, A.E.	Petrolia	Enniskillen
Brennan, R.J.	Petrolia	Petrolia
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Cole, W.J.	Petrolia	Petrolia and Enniskillen
Colonial Petroleum Ltd.	52 Victoria Ave., Chatham	Dunn
Comfort, Alex. ²	102 Inshes Ave., Chatham	Dover
Copeland, Mrs. R.	Petrolia	Petrolia and Enniskillen
DeMers, N.E.	Oil Springs	Petrolia and Enniskillen
Dennis, Mrs. L.	Oil Springs	Petrolia and Enniskillen
Dominion Natural Gas Co. Ltd.	315 Colborne St., Brantford.....	Aldborough and Dunwich
Dominion Petroleum Company Ltd.	Bank of Montreal Bldg., London	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F.H.	Petrolia	Petrolia and Enniskillen
Elliott, H.	Petrolia	Petrolia
Fairbank, H.H., Estate	Petrolia	Petrolia and Enniskillen
Felmont Oil Corporation	Rodney	Aldborough
Goudie, E.	Petrolia	Sarnia
Hamlin, F.G.	Petrolia	Petrolia and Enniskillen
Heal, A.A.	Watford	Warwick and Adelaide
Holmes, E.B.	Bothwell	Zone
Imperial Oil Ltd.	56 Church St., Toronto.....	Sombra, Euphemia, Mosa and Moore
Inglis Mills	Petrolia	Enniskillen
Irwin, Foster	Petrolia	Petrolia and Enniskillen
Jewell & Morningstar	Oil Springs	Enniskillen
Johnson, E.	Petrolia	Petrolia and Enniskillen
Kane, O.	Bothwell	Mosa
Kells, E.E.	Petrolia	Petrolia and Enniskillen
Kerr, J. J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E. A.	Bothwell	Zone
Lather, D.C., Estate	Thamesville	Euphemia
Lennan, Lloyd A.	Petrolia	Petrolia and Enniskillen
Lewis & Lewis	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret.....	Oil Springs	Petrolia and Enniskillen
Marcus, L.	Wallacetown	Dunwich
McCutcheon, Mrs. R.	8545 Dumbarton Rd., Detroit, Mich., U.S.A.	Petrolia and Enniskillen
McGaffey, E. ²	Bothwell	Petrolia and Enniskillen
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H.M.	Oil Springs	Petrolia and Enniskillen
New Bristol Oils Limited	85 Richmond St. W., Toronto.....	Aldborough
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Pattinson, Mrs. E.	Aylmer W.	Dover
Pope, Wm.	Bothwell	Zone
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1.....	Dover East and Raleigh
Roth, E.L.	114 Hillsdale St., Hillsdale, Mich., U.S.A.	Aldborough and Brooke
Shain, Viola	Petrolia	Petrolia and Enniskillen
Slack, C.M.	Petrolia	Petrolia and Enniskillen
Stanley & McCrie	Bothwell	Camden Gore
Sutherland, B.M.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Union Gas Company of Canada, Limited..	Chatham	Grand Bend
Warwick, Jack	Bothwell	Zone
Warwick, Joseph	Oil Springs	Petrolia and Enniskillen
Whitlock, B., Estate	Petrolia	Petrolia and Enniskillen
Wilson-Sullivan Development Co.	112 S. Christina St., Sarnia.....	Warwick
Woodward, Wm.	Oil Springs	Petrolia and Enniskillen
Yerks, Frank	Petrolia	Petrolia and Enniskillen

1. Producer of 300 barrels or more during the year.

2. Producer and driller.

Crude Petroleum Producers, 1955 — Continued

Name	Address	Location of field
Manitoba:		
Amurex Oil Company	703-5th St. W., Calgary, Alberta	Viriden and Roselea
Banff Oil Ltd.	505-8th Ave. W., Calgary, Alberta	Viriden and Roselea
Basco Petroleums Ltd.	101-412 Seymour St., Vancouver, British Columbia	Daly
British American Oil Company Limited ..	Bay & College Sts., Toronto, Ontario	Roselea
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Viriden
Canadian Devonian Petroleums Ltd.	409 McCallum Hill Bldg., Regina, Sask.	Viriden and Roselea
Canadian Pipe Lines & Petroleums Ltd.	213-6th Ave. W., Calgary, Alberta	Viriden
Canadian Prospect Limited	203 Oil Exchange Bldg., Calgary, Alberta ...	Viriden
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alberta	Viriden
Can-Tex Drilling Co. Ltd.	239-6th Ave. W., Calgary, Alberta	Daly
Cleary Oil Company Ltd.	309-7th Ave. W., Calgary, Alberta	Daly and Woodnorth
Dome Exploration (Western) Limited	528-9th Ave. W., Calgary, Alberta	North Scallion, Ebor, and Weld-house
Eureka Oils Ltd.	176 Sutherland Ave., Winnipeg	Roselea
Great Northern Carbon & Chemical Co. Ltd. ..	625 Dominion Square Bldg., Montreal, Quebec ..	Westover
Great Sweet Grass Oils Ltd.	100 Adelaide St. W., Toronto, Ontario	Tilston, Pierson and Whitewater
Imperial Oil Limited	56 Church St., Toronto, Ontario	Viriden
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Viriden
Northern Development Company Limited	Box 456, Edmonton, Alberta	Pierson and Tilston
Owen, J.P.	Viriden	Viriden
Pascar Oils Limited	516 Toronto General Trusts Bldg., Winnipeg ..	Coulter
Ponder Oils Ltd.	230 Examiner Bldg., Calgary, Alberta	Viriden and Roselea
Roselea Syndicate	Viriden	Viriden and Roselea
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Lulu Lake
Rutledge, Paul F.	Box 2239, Sante Fe, New Mexico, U.S.A.	Hayhurst
Souris Valley Oil Co. Limited	201 Avenue Building, Winnipeg	Viriden and Daly
Sun Oil Company	Drawer 39, Calgary, Alberta	Viriden
Thunderbird Oils Ltd.	602 Trust & Loan Bldg., Winnipeg	Viriden and Roselea
Saskatchewan:		
American Northland Oil Company	127 Montgomery St., San Francisco 4, California, U.S.A.	Lloydminster and Silverdale
Anglo-American Exploration Limited	330-9th Ave. W., Calgary, Alberta	Gull Lake
Armena Petroleums Limited	101 Alexandra Bldg., Calgary, Alberta	Lone Rock
Barons Oil Limited & North Continental Oil & Gas Corporation Ltd.	200 Leeson-Lineham Blk., Calgary, Alberta ..	Lloydminster
Bass, Harry, Oil Company	239-6th Ave. W., Calgary, Alberta	Coleville, Smiley
Bayou Construction Ltd.	818-8th Ave. W., Calgary, Alberta	Marsden
Beaver State Wilrich Excelsior Limited ..	222 Tegler Bldg., Edmonton, Alberta	Silverdale
British American Oil Co. Limited	Bay & College Sts., Toronto, Ontario	Lloydminster
Calalta Petroleums Ltd.	630-8th Ave. W., Calgary, Alberta	Lloydminster
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Wapella
Canadian Delhi Oil Ltd.	505-8th Ave., Calgary, Alberta	Cypress Hills
Canadian Gulf Oil Company	Box 130, Calgary, Alberta	Various
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alberta	Nottingham and Midale
Canso Oil Producers Ltd.	940-8th Ave., Calgary, Alberta	Lloydminster
Cavalcade Oils	150-1st Ave. S., Saskatoon	Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia ..	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, British Columbia ..	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Ave. D North, Saskatoon	Smiley and Eureka
Danzker & Associates	705 Childs Bldg., Winnipeg, Manitoba	Lloydminster
Dillman, L.	306 Brent Bldg., Regina	Kingsford
Dome Exploration (Western) Limited	528-9th Ave. W., Calgary, Alberta	Midale
Donna Oils	150-1st Ave. S., Saskatoon	Dulwich
Edoran Oil Corp. Ltd.	709-8th Ave. W., Calgary, Alberta	Lloydminster
Elk Oils Ltd.	Box 188, Humboldt	McLaren
Excelsior Refineries Ltd.	227 Tegler Bldg., Edmonton, Alberta	Lloydminster
Fair Oil & Gas Ltd.	Lloydminster	Lloydminster
Fargo Oils Ltd.	133-6th Ave. E., Calgary, Alberta	Lone-Rock, Silverdale and Epping
Feldman, D.D., Oil & Gas	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Cantuar, Success and Gull Lake
Franco Castle Syndicate	678 Howe St., Vancouver, British Columbia ..	Lloydminster
Glen Oils Ltd.	Lloydminster	Lloydminster
Hudson's Bay Oil & Gas Co. Ltd.	534-8th Ave. W., Calgary, Alberta	Various
Husky Oil & Refining Ltd.	815-6th Avenue W., Calgary, Alberta	Lloydminster
Ibstone Petroleums Limited	North Battleford	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Various
Karels & Rennie	Swift Current	Lloydminster
Liberal Petroleums Ltd.	Box 638, Edmonton, Alberta	Lone-Rock
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster

Crude Petroleum Producers, 1955 - Continued

Name	Address	Location of field
Saskatchewan—concluded:		
Lloyd Rock Mingie	22 Roselawn Crescent, Mount Royal, Quebec	Lloydminster
Manitou Syndicate & A. Federspiel	Lloydminster	Lloydminster
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Various
Medhurst & Coverdale	1134-8th Ave. W., Calgary, Alberta	Silverdale
Millmak Co. Ltd.	152-1st Ave. S., Saskatoon	Dulwich
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary, Alberta	Various
New Devon Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alberta	Lloydminster
North American Chemicals Ltd.	306-15th Ave. E., Calgary, Alberta	Lloydminster and Dulwich
North American Oils Ltd.	150-1st Ave. S., Saskatoon	Lloydminster
North Canadian Oils Ltd.	515-8th Ave. W., Calgary, Alberta	Dina and Marsden
Oilwell Operators Ltd.	232 Lougheed Bldg., Calgary, Alberta	Moose
Orean Oil Ltd.	306 Brent Bldg., Regina	Kingsford
P.A.T. Operators Ltd.	10414-144th St., Edmonton, Alberta	Dulwich and Silverdale
Placid Oil Company	418 Market St., Shreveport, Louisiana, U.S.A.	Nottingham
Porosity Petroleum Ltd.	308 Northgate Bldg., Edmonton, Alberta	Dulwich
Prairie Leaseholds Ltd.	11 Michael Bldg., Calgary, Alberta	Midale
Quest Oil Syndicate	2313-25th Ave. N.W., Calgary, Alberta	Dulwich
Rio Palmer Oils Limited	409 New Royal Bank Bldg., Calgary, Alberta	Wapella and Hastings
Rogers-Bailey Syndicate	North Battleford	Lloydminster
Royalite Oil Company Limited	615-2nd Ave. W., Calgary, Alberta	Coleville
Rutledge, Paul	Midale	Midale
Saskatoon Petroleum Ltd.	150-1st Ave. S., Saskatoon	Lloydminster
Shell Oil Company	Box 100, Calgary, Alberta	Midale
Sohio Petroleum Company	11th & Albert St., Regina	Wapella and Fosterton
Sun Oil Company	Drawer 39, Calgary, Alberta	Various
Tide Water Associated Oil Company	Royal Bank Bldg., Regina	Various
Trans Empire Oils Ltd.	627-8th Ave. W., Calgary, Alberta	Buffalo Coulee
Trans-Western Oils Ltd.	631 Hornby St., Vancouver, B.C.	Lloydminster
Twin River Petroleum (Alberta) Ltd.	222 Tegler Bldg., Edmonton, Alberta	Dulwich
Valentia Oil Corp. Ltd.	228 King St. E., Toronto, Ontario	Dulwich
Whitehall Canadian Oils Ltd.	Bank of Commerce Bldg., Toronto, Ontario ...	Cantuar
Williston Oil & Gas Co.	304-6th Ave. W., Calgary, Alberta	Moose
Wilrich Petroleum Ltd.	66 King St. W., Toronto, Ontario	Lloydminster
Yankee Princess Oils Ltd.	512-8th Ave. W., Calgary, Alberta	Hastings
Yukon Oils Ltd.	10454-82nd Ave., Edmonton, Alberta	Lloydminster
Alberta:		
Ace Oils Ltd.	122-8th Ave. W., Calgary	Lloydminster
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Leduc-Woodbend and Acheson
Albermont Petroleum Ltd.	25 Adelaide St. W., Toronto, Ontario	Joarcam, Drumheller West and Duhamel
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Limited ..	302 Toronto General Trusts Bldg., Calgary ..	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	513-8th Ave. W., Calgary	Redwater
American Leduc Petroleum Ltd.	10168-100th St., Edmonton	Bashaw
American Northland Oil Co.	Wainwright	Wainwright
Amurex Oil Co.	703-5th St. W., Calgary	Cessford
Anglo-American Exploration Ltd. (1955) ..	326-9th Ave. W., Calgary	Stettler
Anglo-Canadian Oil Company Ltd.	900 Lancaster Bldg., Calgary	Turner Valley and Elk Point
Arabee Oil & Gas Co. Ltd.	204-569 Howe St., Vancouver, British Columbia...	Leduc-Woodbend
Argus Royalties Ltd.	631-7th Ave. W., Calgary	Turner Valley
Armena Petroleum Ltd.	101 Alexandra Bldg., Edmonton	Borradaille
Armise Oil Co. Ltd.	205 Mercantile Bldg., Edmonton	Armise
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Bailey Selburn Oil & Gas Ltd.	901-8th Avenue W., Calgary	Leduc
Barons Oil Limited	305 Foothills Bldg., Calgary	Barons
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Leduc-Woodbend
Big Five Petroleum Ltd.	Box 114, Edmonton	Leduc-Woodbend
British American Oil Company Limited ¹	King & Yonge Sts., Toronto, Ontario	Turner Valley and Redwater
British Colonial No. 1 Well	Pacific Bldg., Calgary	Turner Valley
British Petroleum Limited	404-6th Ave. W., Calgary	Leduc-Woodbend
California Standard Company	200 Greyhound Bldg., Calgary	Taber, Conrad and Princess
Calvan Consolidated Oil & Gas Company Limited	624-9th Ave. W., Calgary	Various
Calwin-Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Campbell, R., & Associates	1718-W.5th Ave., Vancouver, British Columbia	Leduc-Woodbend
Canada-Cities Service Petroleum Corporation	Bartlesville, Oklahoma, U.S.A.	North Pembina
Canadian Atlantic Oil Company Ltd.	700 Petroleum Bldg., Calgary	Leduc

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1955 — Continued

Name	Address	Location of field
Alberta — continued:		
Canadian Bishop Oil Ltd.	209-211 Bamlett Bldg., Calgary	Redwater
Canadian Decalta Gas & Oils Limited	703-5th St. W., Calgary	Leduc - Woodbend, Rimbey, and Joarcam
Canadian Delhi Oil Ltd.	1004 Barron Bldg., Calgary	Vermilion
Canadian Emjay Petroleums Ltd.	611-7th Ave. W., Calgary	Three Hills
Canadian Export Gas Ltd.	309-7th Ave. W., Calgary	Various
Canadian Fina Oil Limited	407 Bamlett Bldg., Calgary	Bulward
Canadian Gulf Oil Company	Tulsa 2, Oklahoma, U.S.A.	Pincher Creek, Redwater and Stettler
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary	Various
Canadian Pipelines & Petroleums Ltd.	213-6th Ave. W., Calgary	Erskine and South Joarcam
Canadian Prospect Ltd.	203 Oil Exchange Bldg., Calgary	Fenn-Big Valley
Canadian Seaboard Oil Co.	Canadian Bank of Commerce Bldg., Calgary	Various
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary	Excelsior
Canroc Oils Ltd.	108 Baltzan Bldg., Edmonton	Leduc
Can-Tex Drilling Co. Ltd.	309 Lancaster Bldg., Calgary	Bon Accord and Stettler
Castle Oil & Gas Ltd.	231-8th Ave. W., Calgary	Leduc-Woodbend
Central Leduc Oils Ltd.	224-9th Ave. W., Calgary	Various
Chamberlain Oil & Gas Ltd.	237 Tegler Bldg., Edmonton	Chamberlain
Charter Oil Co. Ltd.	111 Petroleum Bldg., Calgary	Redwater
Cleary Oil Company Ltd.	309-7th Ave. W., Calgary	Battle South, Wainwright and Daly
Coastal Oils Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Colorado Oil & Gas Corporation & Colorado Oil & Gas Ltd.	Wales Hotel Bldg., Calgary	Pembina
Commoil Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Drilling Company Limited ²	4 Clarence Blk., Calgary	
Commonwealth Petroleum Limited	122-8th Ave. W., Calgary	Turner Valley and Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia	Leduc
Consolidated Cordasun Oils Ltd.	512-4th Ave. W., Calgary	Stettler
Consolidated East Crest Oil Company Limited	735-8th Ave. W., Calgary	Turner Valley
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Avenue D North, Saskatoon, Sask.	Leduc-Woodbend
Consumers' Exploration Company Ltd.	211 Ave. D North, Saskatoon, Sask.	Princess
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Dalo Oil Company Ltd.	Lloydminster	Lloydminster
Daveroy Oil Co. Ltd.	10439-82nd Ave., Edmonton	Camrose
Dempsey Oils Limited	109 Canadian Bank of Commerce Bldg., Calgary	Leduc-Woodbend
Dome Exploration (Western) Ltd.	528-9th Ave. W., Calgary	Redwater, Drumheller, Armena
Dundee Oils Ltd.	Royal Bank Bldg., Edmonton	Leduc
Edmonton-Wainwright Oils Limited	8 McDougall Court, Edmonton	Wainwright
Eldon Royal American Model	201 Lancaster Bldg., Calgary	Legal
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Exterior Petroleums Limited	Kitscoty	Lloydminster
Federal Oils Syndicate	605 Lancaster Bldg., Calgary	Princess
Federated Petroleums Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Flamingo Oils Limited	402-100 Adelaide St. W., Toronto, Ontario	Various
Flink Petroleums Limited	735-8th Ave. W., Calgary	Leduc-Woodbend
Flier's Oil Limited	81 St. George's Crescent, Edmonton	Leduc
Flock Gas & Oil Corporation Limited	114-7th Ave. W., Calgary	Denhart
Foothills Oil & Gas Company Limited	232 Lougheed Bldg., Calgary	Turner Valley
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
Glenphyll Petroleums Ltd.	Box 608, Drumheller	Grassy Lake
Godfrey - Lehman Lloydminster Syndicate	304 Lancaster Bldg., Calgary	Lloydminster
Golden Spike Western Petroleums Ltd.	809 Centre St., Calgary	Armena, Camrose
Graneduc Oils (Alberta) Ltd.	227 Tegler Bldg., Edmonton	Lloydminster
Granville Oils Limited	122-8th Ave. W., Calgary	Turner Valley
Great Plain's Development Company of Canada Limited	528-9th Ave. W., Calgary	Drumheller, Leduc and Joffre
Halero Oil Limited	210 Barry Bldg., Edmonton	Campbell
Hales Oil & Gas Limited	735-8th Ave. W., Calgary	Whitemud
Hargal Oils Ltd.	800 Hall Bldg., Vancouver, British Columbia	Leduc-Woodbend
Harris Well No. 2	201 Lancaster Bldg., Calgary	Turner Valley
High Crest Oils Limited	609 Herald Bldg., Calgary	Campbell
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley, Leduc and Redwater
Hudson's Bay Oil & Gas Co., Ltd.	534-8th Ave. W., Calgary	Leduc and Turner Valley
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella

1. Operated an absorption plant.
2. Drilling only.

Crude Petroleum Producers, 1955 — Continued

Name	Address	Location of field
Alberta — continued:		
Independent Royalties Limited.....	403 Lancaster Bldg., Calgary.....	Turner Valley
Kali Ltd.	231-8th Ave. W., Calgary.....	Leduc
Kamalita Well Operators Limited.....	201 Lancaster Bldg., Calgary.....	Turner Valley
Kelcam Oils Limited	1718 West 5th Ave., Vancouver, B.C.	McLeod
Keno Oils Limited	10182-103rd St., Edmonton.....	Leduc
L.B. Oils Limited.....	Municipal Airport, Edmonton.....	Leduc and Woodbend
Leduc Calmar Oil Co. Ltd.	131-11th Ave. W., Calgary.....	Leduc
Leo Oil & Gas Ltd.	237 Tegler Bldg., Edmonton.....	Wainwright
Liberal Petroleum Ltd.	Box 638, Edmonton.....	Blackfoot, Lloydminster
Lloydminster Development Company Ltd.	Lloydminster	Lloydminster
Locksley Petroleum Ltd.	Edmonton	Leduc
Luscar Coals Limited	10920-88th Ave., Edmonton.....	Pembina
Mac Oils Ltd.	11536 Jasper Ave., Edmonton.....	Various
Major National Oils Limited	407 Lancaster Bldg., Calgary.....	Turner Valley
Major Oil Investments Limited	407 Lancaster Bldg., Calgary.....	Turner Valley
Marjack Oils Limited	10125-101st St., Edmonton.....	Leduc
Maryland Petroleum Limited	309-8th Ave. W., Calgary.....	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary ...	Leduc and Woodbend
Melton Petroleum Limited	10154-103rd St., Edmonton.....	Leduc and Acheson
Merrill Petroleum Limited	510A-8th Ave. W., Calgary.....	Leduc
Metro Oil and Gas Co. Ltd.	102 Mercantile Bldg., Edmonton.....	Excelsior
Mill City Petroleum Limited	403 Lancaster Bldg., Calgary.....	Turner Valley
Mill Creek Oil Co. Ltd.	509 Third St. W., Calgary.....	Namao
Miracle Oils Limited	301 Lancaster Bldg., Calgary.....	Turner Valley
Miracle Royalties Wells & Valley Oils ...	301 Lancaster Bldg., Calgary.....	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary.....	Various
Montalban Oils Limited	512 Alexandra Bldg., Edmonton.....	Barons
Morgro Oil Operators Limited	Peace River	Lloydminster
National Petroleum Corp. Limited	401 Leeson-Lineham Bldg., Calgary.....	Turner Valley and Del Bonita
Nationwide Minerals Limited	129 Adelaide St. W., Toronto, Ontario	Lloydminster
New British Dominion Oil Co. Limited ...	304 Toronto General Trusts Bldg., Calgary ...	Turner Valley
New Continental Oil Co. of Canada Ltd. ...	231-8th Ave. W., Calgary.....	Leduc and Turner Valley
New Davies Petroleum Ltd.	409 Lancaster Bldg., Calgary.....	Turner Valley
New Richfield Petroleum Limited	1002 Lancaster Bldg., Calgary.....	Leduc and Campbell
New Superior Oils of Canada Limited	224-9th Ave. W., Calgary.....	Joseph Lake, Lloydminster, Redwater and Drumheller
North Continental Oil & Gas Corporation Ltd.	200 Leeson-Lineham Blk., Calgary.....	Lloydminster
Northland Oils Ltd.	401-Leeson-Lineham Bldg., Calgary.....	Turner Valley
Northwell Operators Limited.....	904 Lancaster Bldg., Calgary.....	Redwater and Woodbend
Nufield Operators Limited.....	308 Northgate Bldg., Edmonton.....	Various
Ohio Oil Company.....	539 South Main St., Findlay, Ohio, U.S.A.	Redwater
Oil City Petroleum Limited.....	11902-74th Ave., Edmonton.....	Leduc
Oilwell Operators Limited.....	232 Lougheed Bldg., Calgary.....	Erskine
Okalta Oils Limited	Renfrew Bldg., Calgary.....	Turner Valley and Leduc
Pacific Petroleum Limited	700 Petroleum Bldg., Calgary.....	Turner Valley, Princess, Red- water and Excelsior
Pacific Western Oil Co. Ltd.	107 Bank of Commerce Bldg., Calgary.....	Lloydminster
Pan Western Oils Limited	940 Eighth Ave. W., Calgary.....	Leduc
Pathfinder Petroleum Ltd.	512-4th Ave. W., Calgary.....	Various
Paul Guthrie Development Ltd.	9916-109th St., Edmonton.....	Woodbend-Leduc
Petal Ltd.	528-9th Ave. W., Calgary.....	Various
Petro-Uranium of Canada Limited	718-5th St. W., Calgary.....	Leduc
Phillips Petroleum Company.....	501 Petroleum Bldg., Calgary.....	Various
Placid Oil Company	418 Market St., Shreveport, Louisiana, U.S.A. ...	Lake St. Ann
Plymouth Oil Company.....	223-4th Ave., Pittsburgh, Pennsylvania, U.S.A. ...	Pembina
Premium Petroleum Ltd.	525 Seymour St., Vancouver, B.C.	Lloydminster
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary.....	Leduc and Morinville
Regal Royalties Ltd.	403 Leeson-Lineham Bldg., Calgary.....	Turner Valley
Regent Refining (Canada) Ltd.	# 20 Alberta Block, Calgary.....	Leduc
Renfrew Producers & Operators Limited ..	818-8th Ave. W., Calgary.....	Various
Renown Royalties Limited	201 Lancaster Bldg., Calgary.....	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary.....	Turner Valley
Rio-Palmer Oils Ltd.	409 New Royal Bank Bldg., Calgary.....	Chauvin and Red Coulee
Romac Oils Ltd.	10123-112th St., Edmonton.....	Pembina
Ross Petroleum Ltd.	10168-100th St., Edmonton.....	Leduc and Woodbend
Royal American Oil Co. Ltd.	7911-101st St., Edmonton.....	Leduc-Woodbend and Legal
Royal Canadian Oils Limited	615 Credit Foncier Bldg., Vancouver, B.C.	Turner Valley and Lloydminster
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary.....	Turner Valley
Royalite Oil Company Limited ¹	239-6th Ave. W., Calgary.....	Turner Valley
Sage Oil Company Limited	10824-82nd Ave., Edmonton.....	Leduc and Rosenheim
Sapphire Petroleum Limited	15½ King St. E., Toronto, Ontario	Leduc

1. Operated an absorption plant.

2. Drilling only.

Crude Petroleum Producers, 1955 — Concluded

Name	Address	Location of field
Alberta—concluded:		
Sasko-Wainwright Oil & Gas	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	714 First National Bldg., Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Oils Limited	624-9th Ave. W., Calgary	Leduc
Security Freehold Petroleums Limited ...	Nanton Bldg., Winnipeg, Manitoba	Leduc
Selbay Exploration Limited	901-8th Ave. W., Calgary	Joffre
Shamrock Oils	Lloydminster	Lloydminster
Shannon Oils Ltd.	Box 4432, Edmonton	Blackfoot
Sharples Oil (Canada) Ltd.	406 Bank of Commerce Bldg., Calgary	Volmer
Shell Oil Co. of Canada Limited	25 Adelaide St., Toronto, Ontario	Jumping Pound
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Camrose and Legal
Southwest Petroleum Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Sovereign Royalties Limited	409-Third St. W., Calgary	Turner Valley
Sparmac Petroleums Limited	100 Alexandra Bldg., Edmonton	Ellerslie
Stanolind Oil and Gas Company	308-9th Ave. W., Calgary	Various
Surgeon Petroleums Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Sun Oil Company	Barron Bldg., Calgary	New Norway
Tangent Oils Limited	204 Wilson Electric Bldg., Calgary	Blackfoot
Taylor Petroleum Operators Limited	627-8th Ave. W., Calgary	Leduc and Stettler
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Exploration Company	237-7th Ave. W., Calgary	Redwater and Calmar
Trans-Canada Petroleums Limited	10920-88th Ave., Edmonton	Pembina and Erskine
Trans-Western Oils Limited	610-207 W. Hastings St., Vancouver, B.C.	Blackfoot
Trican Petro-Chemical Corporation	1410 Stanley St., Montreal, Quebec	Bonnyville
Tri-Tor Oils Limited	1410 Stanley St., Montreal, Quebec	Bonneyville and Cold Lak
Twin Valley Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Union Oil Co. of California	709-8th Ave. W., Calgary	Fairydell
United Assets Limited	232 Lougheed Bldg., Calgary	Turner Valley
United Oils Ltd.	304-6th Ave. W., Calgary	Pembina
Vanalta Limited	Johnston St., Granville Island, Vancouver, British Columbia	Leduc-Woodbend
Vanlorne Oils Ltd.	Royal Bank Bldg., Edmonton	Leduc
Wain-Con Oils Limited	112 Thomas Bldg., Edmonton	Wainwright
Wainwright Petroleums Ltd.	10625-99th Ave., Edmonton	Wainwright
Wesberta Oils Ltd.	80 King St. W., Toronto, Ontario	Lloydminster
Wespac Petroleums Ltd.	80 Richmond St. W., Toronto, Ontario	Whitemud
West Canadian Petroleums Ltd.	709-8th Ave. W., Calgary	Various
West Maygill Gas & Oil Ltd.	202 Oil Exchange Bldg., Calgary	Namao, Joffre, and Hanna
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Various
Western Naco Petroleums Ltd.	528-9th Ave. W., Calgary	Drumheller
Western Petroleums Operators Limited ...	406 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.	213-6th Ave. W., Calgary	Leduc
Westside Royalties Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ontario	Leduc and Alliance
Widney Oil & Drilling Co. Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Yeske Petroleums Ltd.	210 Baltzan Bldg., Edmonton	Leduc-Woodbend
York Oils Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1955 amounted to 150,772,312 thousand cubic feet valued at \$15,098,508. These figures include the natural gas sold for domestic, industrial and other uses and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste and meter differences, was valued at a nominal wellhead price.

In Alberta, the Turner Valley field was the chief producer at 28,748,262 M cubic feet and the Viking-Kinsella field was next with 20,965,713 M cubic feet. Output increased in Saskatchewan to

6,706,743 M cubic feet and in Ontario to 10,852,857 M cubic feet and the production in New Brunswick increased slightly.

Employed by the industry were 2,849 persons to whom \$9,070,036 were paid in salaries and wages. Fuel cost \$239,354 and 1,539,335 kwh. of electricity were purchased for \$40,118. Process supplies cost \$199,108.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry. Firms which did not have producing wells may not have been included in this compilation.

TABLE 20. Principal Statistics for the Natural Gas Industry¹, Significant Years, 1921 - 1955

Year	Operating wells	Em- ployees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ² value of production
	No.	No.	\$	\$	\$	\$	\$
1921	2,021	885	882,907	N.A.	N.A.	4,594,164	N.A.
1929	2,298	1,953	2,275,147	41,590	"	8,555,971	"
1931	2,444	1,692	2,072,022	26,921	"	8,232,822	"
1933	2,515	1,367	1,650,815	53,994	"	7,725,951	"
1937	3,268	2,028	2,488,125	75,690	23,190	9,037,326	8,938,446
1939	3,352	1,990	2,536,220	82,877	15,520	10,732,543	10,634,146
1941	3,424	2,161	2,841,795	103,229	4,975	11,223,103	11,114,899
1944	3,621	1,810	2,885,654	188,003	13,149	9,772,357	9,571,205
1946	3,825	1,655	2,491,361	226,980	21,457	10,588,175	10,339,738
1949	3,927	2,223	4,713,266	58,960	4,552	17,582,512	17,519,000
1950	3,991	2,618	5,703,524	130,504	55,676	6,444,215	6,258,035
1951	3,985	2,658	6,491,234	126,301	48,583	6,691,223	6,516,339
1952	4,122	2,573	7,296,092	95,722	240,944	5,854,051	5,517,385
1953	3,688	2,769	8,073,532	291,366	45,911	6,856,501	6,519,224
1954	3,572	2,887	8,864,662	287,009	75,395	8,286,809	7,930,405
1955	3,659	2,849	9,070,036	279,472	199,108	9,194,119	8,715,539

1. See footnote to Table 21.

2. Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 21. Principal Statistics for the Natural Gas Industry¹, by Provinces, 1954 and 1955

Province	Operating wells	Em- ployees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ² value of production
	No.	No.	\$	\$	\$	\$	\$
1954							
New Brunswick	39	52	163,255	4,273	4,231	153,790	145,286
Ontario	3,211	1,630	4,911,401	11,167	5,188	4,006,327	3,989,972
Saskatchewan	13	16	49,781	1,368	—	94,659	93,291
Alberta	309	1,189	3,740,225	270,201	59,976	4,032,033	3,701,856
Canada	3,572	2,887	8,864,662	287,009	69,395	8,286,809	7,930,405
1955							
New Brunswick	42	58	181,580	3,059	1,664	156,910	152,187
Ontario	3,280	1,540	4,970,836	75,088	128,000	4,341,143	4,138,055
Saskatchewan	18	16	51,468	1,827	—	121,399	119,572
Alberta	319	1,235	3,866,152	199,498	69,444	4,574,667	4,305,725
Canada	3,659	2,849	9,070,036	279,472	199,108	9,194,119	8,715,539

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

2. Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 22. Production of Natural Gas, 1946 - 1955

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1946	47,900,484	12,165,050	1951	79,460,667	7,158,920
1947	52,656,567	13,429,558	1952	88,686,465	9,517,638
1948	58,603,269	15,632,507	1953	100,985,923	10,877,017
1949	60,457,177	11,620,302	1954	120,735,214	12,482,109
1950	67,822,230	6,433,041	1955	150,772,312	15,098,508

TABLE 23. Production of Natural Gas, by Provinces, 1946 - 1955

Year	New Brunswick	Ontario	Saskatchewan	Alberta	Northwest Territories	Canada
	M cubic feet					
1946	541,010	7,051,309	209,569	40,097,096	1,500	47,900,484
1947	489,810	7,785,921	274,193	44,106,643	—	52,656,567
1948	420,352	8,590,429	477,271	48,965,217	150,000	58,603,269
1949	375,035	8,024,213	812,916	51,179,779	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	29,085	120,735,214
1955	186,549	10,852,857	6,706,743	133,007,493	18,670	150,772,312

TABLE 24. Production¹ of Natural Gas, by Provinces, 1954 and 1955

Province	1954		1955	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	183,457	136,405	186,549	138,450
Ontario	10,015,818	4,006,327	10,852,857	4,341,143
Saskatchewan	3,333,077	291,644	6,706,743	637,140
Alberta	107,173,777	8,038,033	133,007,493	9,975,562
Northwest Territories	29,085	9,700	18,670	6,213
Canada	120,735,214	12,482,109	150,772,312	15,098,508

1. Sold and used by producers.

TABLE 25. Production¹ of Natural Gas, by Months and by Provinces, 1955

Month	New Brunswick	Ontario	Saskatchewan	Alberta	Canada ²
	M cu. ft.				
January	18,389	1,199,239	526,776	13,043,623	14,788,834
February	17,178	1,097,196	634,053	12,179,354	13,928,526
March	19,689	1,158,718	704,489	12,916,526	14,801,730
April	16,642	843,828	492,119	9,717,825	11,073,413
May	15,352	673,796	450,863	8,889,234	10,032,046
June	13,018	475,499	328,077	8,016,636	8,834,825
July	10,198	457,105	328,053	7,842,611	8,639,072
August	10,852	515,584	381,018	7,880,107	8,788,637
September	13,385	728,727	429,112	9,213,650	10,386,077
October	15,248	857,048	571,292	11,362,029	12,806,577
November	16,273	1,115,914	876,297	15,347,773	17,357,885
December	20,325	1,730,203	984,594	16,598,125	19,334,690
Total	186,549	10,852,857	6,706,743	133,007,493	150,772,312

1. Sales and consumption by producers.

2. Includes 18,670 M cu. ft. in the Northwest Territories.

TABLE 26. Production of Natural Gas in Alberta, by Fields, 1955

Field	M cu. ft.	Field	M cu. ft.	Field	M cu. ft.
Acheson	1,193,124	Jumping Pound	14,890,662	Viking-Kinsella	20,965,713
Bonnie Glen	5,762,144	Leduc-Woodbend	12,250,318	Westerose	394,035
Bow Island	1,427,935	Medicine Hat	8,518,487	Other fields	19,953,084
Campbell	77,570	Morinville	4,405,683		
Fenn-Big Valley	278,734	Pakowki Lake	11,523,280		
Golden Spike	2,618,462	Turner Valley	28,748,262	Total Alberta	133,007,493

Note: Does not include waste gas and meter differences in the field, amounting to 36 million M cu. ft. in 1955.

TABLE 27. Production of Natural Gas in Ontario, by Fields, 1954 and 1955

County	Field	1954	1955
		M cu..ft.	
Middlesex and Elgin	Mosald	547,673	357,092
Essex	Kingsville	13,729	52,249
	Tilbury	1,592,897	2,058,574
	Dover	95,668	81,720
	Harwich	2,515	16,218
Kent	DeClute	226,884	133,993
	Chatham and Camden Gore	114,187	120,430
	Zone	140,268	132,570
	Howard	—	55,745
	Bickford	240	—
	Colinville	278,428	354,564
	Duthill	2,857	2,017
	Enniskillen	323	—
	Payne	861,108	1,490,032
Lambton	Seckerton	267,959	245,085
	Sombra	201,288	289,995
	Waubuno	696	414,584
	Dawn	1,227	3,722
	Kimball	2,976,367	2,156,385
	Becher	88,289	152,619
	Corunna	—	181,142
Elgin	Bayham and Malahide	10,929	16,083
Haldimand			
Lincoln	Haldimand	1,551,614	1,313,998
Wentworth			
Brant	Brant	9,460	15,130
Norfolk	Norfolk	469,147	730,013
Oxford	Brownsville and Norwich	52,681	48,498
Welland	Welland	509,384	430,399
Total produced		10,015,818	10,852,857

TABLE 28. Number of Gas Wells, by Provinces, 1953-1955

		New Brunswick	Ontario	Saskatchewan	Alberta	Canada
		Number				
Productive wells at beginning of year	1953	39	3,858	5	217	4,119
	1954	39	3,377	7	252	3,675
	1955	44 ²	3,211	12	294 ²	3,561 ²
Number of productive wells drilled	1953	—	152	2	38	192
	1954	—	160	5	33	198
	1955	—	144	2	14	160
Number of dry wells drilled	1953	—	137	—	13	150
	1954	—	—	1	4	5
	1955	1	195	4	15	215
Number of wells abandoned	1953	—	679 ¹	—	3	682
	1954	—	167	—	5	172
	1955	2	287	—	7	296
Productive wells at end of year	1953	39	3,377	7	252	3,675
	1954	39	3,211	12	280	3,541
	1955	42	3,280	14	301	3,637

1. Includes 502 private and surface wells which the Ontario government has ceased to carry.

2. Adjusted.

TABLE 29. Natural Gas Pipeline Mileage, 1954 and 1955

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1954	1955	1954	1955	1954	1955	1954	1955
New Brunswick	20	20	65	65	36	37	73	73
Ontario ¹	2,348	2,380	4,528	4,336	4,978	5,147	5,434	5,660
Saskatchewan	43	53	26	27	54	68	22	23
Alberta	1,481	1,542	1,466	1,601	4,359	4,405	1,939	2,060
Canada	3,892	3,995	6,085	6,029	9,427	9,657	7,468	7,816

1. Includes some pipeline owned by distributing firms.

TABLE 30. Sales¹ of Manufactured and Natural Gas, 1954 and 1955

	1954			1955		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas:						
Domestic	516,654	13,774,510	19,646,067	371,784	9,827,609	11,649,179
House heating	7,709	2,344,294	2,400,026	3,697	1,173,476	970,124
Industrial	6,010	4,222,401	4,470,081	4,496	3,157,645	2,678,803
Commercial	31,819	5,971,479	6,576,416	26,424	4,741,862	4,868,019
Miscellaneous	306	1,964	26,051	120	36,995	92,651
Total	562,498	26,314,648	33,118,641	406,521	18,937,587	20,258,776
Natural gas:						
Domestic	282,366	37,060,804	22,380,324	447,311	45,266,229	34,109,275
Industrial	1,785	30,274,724	6,981,540	3,561	48,698,773	10,814,233
Commercial	25,227	19,803,344	6,686,579	32,950	23,325,131	10,125,709
Miscellaneous	476	327,966	92,275	484	510,178	132,262
Total	309,854	87,466,838	36,140,718	484,306	117,800,311	55,181,479
Total — all gas	872,352	113,781,486	69,259,359	890,827	136,737,898	75,440,255

1. Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 31. Sales¹ of Natural Gas, by Areas, 1954 and 1955

	1954		1955	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M cu. ft.	\$	M cu. ft.	\$
Eastern Canada				
Domestic	10,377,986	11,989,711	14,265,129	21,858,824
Industrial	2,090,933	2,230,511	3,437,608	4,477,053
Commercial	1,653,265	1,769,598	2,684,689	4,155,661
Miscellaneous ²	50,524	51,058	74,882	61,268
Total	14,172,708	16,040,878	20,462,308	30,552,806
Western Canada				
Domestic	26,682,818	10,390,613	31,001,100	12,250,451
Industrial	28,183,791	4,751,029	45,261,165	6,337,180
Commercial	18,150,079	4,916,981	20,640,442	5,970,048
Miscellaneous ²	277,442	41,217	435,296	70,994
Total	73,294,130	20,099,840	97,338,003	24,628,673
Canada — Total				
Domestic	37,060,804	22,380,324	45,266,229	34,109,275
Industrial	30,274,724	6,981,540	48,698,773	10,814,233
Commercial	19,803,344	6,686,579	23,325,131	10,125,709
Miscellaneous ²	327,966	92,275	510,178	132,262
Total	87,466,838	36,140,718	117,800,311	55,181,479

1. See footnote to Table 30.

2. Includes some free customers.

TABLE 32. Employees and Their Earnings in the Natural Gas Industry, 1954 and 1955

	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1954								
New Brunswick	—	—	51	1	52	—	163,255	163,255
Ontario	245	205	1,172	8	1,630	1,209,122	3,702,279	4,911,401
Saskatchewan	5	4	7	—	16	30,729	19,052	49,781
Alberta	179	50	931	29	1,189	798,996	2,941,229	3,740,225
Canada	429	259	2,161	38	2,887	2,038,847	6,823,815	8,864,662
1955								
New Brunswick	—	—	57	1	58	—	181,580	181,580
Ontario	226	195	1,119	—	1,540	1,427,727	3,543,109	4,970,836
Saskatchewan	4	3	9	—	16	29,225	22,243	51,468
Alberta	187	55	964	29	1,235	887,355	2,978,797	3,866,152
Canada	417	253	2,149	30	2,849	2,344,307	6,723,729	9,070,036

TABLE 33. Number of Workmen in the Natural Gas Industry, by Months, 1954 and 1955
(On the last work-day of each month)

Month	1954			1955		
	Male	Female	Total	Male	Female	Total
January	1,633	42	1,675	1,677	22	1,699
February	1,615	38	1,653	1,592	23	1,615
March	1,682	37	1,719	1,608	26	1,634
April	1,781	37	1,818	1,814	27	1,841
May	2,113	35	2,148	2,355	32	2,387
June	2,356	40	2,396	2,526	37	2,563
July	2,524	41	2,565	2,526	41	2,567
August	2,603	42	2,645	2,500	34	2,534
September	2,636	37	2,673	2,461	33	2,494
October	2,574	39	2,613	2,396	27	2,423
November	2,376	38	2,414	2,163	29	2,192
December	1,884	36	1,920	1,945	26	1,971
Average	2,161	38	2,199	2,149	30	2,179
Man-hours worked			5,554,150			4,438,685

TABLE 34. Employees and Their Earnings in the Natural Gas Industry, 1951-1955

Year	Number of employees					Number of man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
							\$	\$	\$
1951.....	376	226	2,033	23	2,658	5,891,454	1,570,612	4,920,622	6,491,234
1952.....	412	236	1,895	30	2,573	5,807,212	1,960,862	5,335,230	7,296,092
1953.....	449	271	2,016	33	2,769	6,079,939	2,129,758	5,943,774	8,073,532
1954.....	429	259	2,161	38	2,887	5,762,532	2,038,847	6,825,815	8,864,662
1955.....	417	253	2,149	30	2,849	6,167,918	2,344,307	6,725,729	9,070,036

Note. Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

Directory of Firms in the Natural Gas Industry, 1955

1. Distributing only.
2. Drilling and producing.
3. Drilling only.
4. Using or selling gas from absorption plant.

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton.....	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
Barnhart, Mr. & Mrs. E.	Stevensville	Bertie
Bates, Norman	Port Colborne.....	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	Humberstone
Beacon Syndicate	Fort Erie.....	
Beaver Oil & Gas Syndicate	67 Yonge St., Toronto.....	Walpole
Benner, Alvin and Jack	Sherkston	Humberstone
Benner, K.W.	Fisherville	Rainham
Bertie Township Gas & Oil Syndicate ...	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Bolivar Gas Company	385 Main St., Boliver, N.Y., U.S.A.	Walsingham North
Booth, A.E.	Niagara Falls, U.S.A.	Willoughby and Bertie
Bova Gas & Development Co. Ltd.	2600 Rand Bldg., Buffalo, N.Y., U.S.A. ...	Walsingham South
Boyers Creek Gas Syndicate	Chippawa	Willoughby
Britco Oils Limited	67 Yonge St., Toronto.....	Tilbury East
Buck, J.L.	Port Rowan	Walsingham South
Campbell, L.G.	Kingsville	Gosfield South
Canfield Natural Gas Company Limited ...	Dunnville	Cayuga North

Directory of Firms in the Natural Gas Industry, 1955 — Continued

Name	Address	Location of field
Ontario — continued:		
Caughell Bros.	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Senaca Gas Syndicate	Cayuga	Senaca
Chambers, H.M.	Sherkston	Humberstone
Chambers, Dr. H.W.	Chippawa	Willoughby
Colborne Natural Gas Co.	4 Colborne St., Toronto	Bertie and Townsend
Colonial Petroleums Ltd.	52 Victoria Ave., Chatham	Dawn
Comfort, A.	Chatham	Raleigh and Tilbury
Consolidated West Petroleum Limited	19 Melinda St., Toronto	Romney
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Cummings, H., & Sons	York	Senaca
D. & M. Syndicate	Fort Erie	Bertie
Daubarie, A. ²	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Syndicate	Fort Erie	Bertie
Dell-Burn Gas Limited ²	Dunnville	Various
Dennis, G.R., & Sons ²	Sherkston	Walpole
Deshaiies, M.	Stevensville	Humberstone
Dickout Bros.	Lowbanks	Moulton
Dickout, Leroy	Lowbanks	Sherbrooke
Dickson & Mercer	Hagersville	Oneida
Dominion Natural Gas Company, Limited ²	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Norfolk, Haldimand, Welland, Essex and Kent
Donalga Company	Simcoe	Norfolk
Dover Gas Syndicate	Drawer 200, Fort Erie	Woodhouse
Earleejune Fish Co.	Dunnville	Dunn
Edmund Gas Syndicate	Port Colborne	Humberstone
Emerson, H.L.	Dunnville	Moulton, Canboro, Gainsboro, Cayuga South and Wainfleet
Erie Prospecting Syndicate	Ridgeway	Bertie
Falls View Gas Syndicate	Fort Erie	Stamford
Fisherville Gas Co.	Fisherville	Rainham
Fitzgerald, W.J.	South Cayuga	Cayuga South
Fleet Manufacturing Limited	Fort Erie	Bertie
Fletcher, Eva	Glanford Station	Binbrook
Fox, E.S.	Welland	Thorold
George, Mrs. A.	Fort Erie	Bertie
George, F.	Fort Erie	Bertie
Glenard Ltd.	Dunnville	Woodhouse, Townsend, Windham, Walsingham South and Walpole
Grand Gas Co.	Dunnville	Moulton
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited	Grimsby	Caistor, Gainsboro and Canboro
Haidon & MacDonald	Chippawa	Willoughby
Haidon, L. & P.	Chippawa	Willoughby
Haldimand Gas Syndicate	Cayuga	Rainham and Cayuga North
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Heise & Marton Gas Syndicate	Welland	Welland
Hercules Gas & Oil Syndicate	Ridgeway	Moulton
Highbank Oil Limited	Chatham	Raleigh
Horton, A.	Port Colborne	Humberstone
Houk Syndicate	Dunnville	Moulton
House, C.C.	Stevensville	Bertie
Imperial Oil Ltd.	56 Church St., Toronto	Moore, Sombra, Raleigh and Dover
J. & J. Gas Co.	Dunnville	Dunn
Jackson, P.L. ²	Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn and Cayuga South
Kin-Mar Gas Syndicate ²	Fort Erie	Bertie and Willoughby
Kinsey, L. & O.	Lowbanks	Sherbrooke
Kramer, Harry	Port Colborne	Humberstone
Lake Shore Gas & Oil Syndicate	Ridgeway	Bertie
Lake Shore Gas Company	20 Duke St., Hamilton	Dunn
Lapp & Arendt	Stevensville	Bertie
Leamington, Town of ¹	Leamington	
Lincoln Natural Gas Co. Ltd.	Dunnville	Caistor, Canboro, Moulton, Gainsboro and Wainfleet
London, City of, Gas Company ¹	London	
Lymburner Bros. and Webber	Dunnville	Cayuga North, Rainham and Walpole
M. M. T. Syndicate	Fort Erie	Humberstone
MacAnn Wall Gas Syndicate	Fort Erie	Bertie
MacIntyre & Hawkins	Fort Erie	Humberstone

Directory of Firms in the Natural Gas Industry, 1953 — Continued

Name	Address	Location of field
Ontario — continued:		
Maguire, J.	Clifford	Walpole and Woodhouse
Manock Gas Syndicate	Fort Erie	Bertie
McKechnie, S., Estate	Dunnville	Walpole
Medina Gas Syndicate	Welland	Crowland
Mehlenbacher, L.B., Gas Syndicate	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul	Fort Erie	Willoughby
Minor & Luck	Barrie	Sherbrooke
Mitchell, S.T.	Dunnville	Dunn
Mohawk Gas & Oil Syndicate Limited	421 Main St. E., Hamilton	Oneida and Walpole
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Morningstar, Roy	Ridgeway	Bertie
Mulgrave Gas Syndicate	Stevensville	Bertie
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Nevada Gas Syndicate	Fort Erie	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece Bros.	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich	Sherbrooke
North Cayuga Gas Syndicate	King & Hughson Sts., Hamilton	Cayuga North
North Shore Gas Co.	Selkirk	Rainham
Noyes, L.A., Estate	Stevensville	Willoughby
Palco, J., & E. Marr	Wainfleet	Wainfleet
Patterson & Culver	Dunnville	Dunnville
Pattinson, E.	Aylmer, Quebec	Dover
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Pegg L., & Associates	Morpeth	Howard
Petrol Oil & Gas Co. Ltd.	414 Bay St., Toronto	Oneida, Onondaga and Tuscarora
Port Colborne-Welland Gas Co.	Port Colborne	Senaca, Cayuga North, Oneida and Onondaga
Prairie Gas & Oil Co. Limited	350 Bay St., Toronto 1	Dover
Provincial Gas Company Limited	Fort Erie	Humberstone, Willoughby, Bertie and Crowland
Queenston Gas & Oil Co. Ltd.	Fort Erie	Willoughby, Walsingham South, Oneida and Woodhouse
Rae, Robert	Niagara Falls	Humberstone
Raydis Oil & Gas Company Limited	118 King St. W., Chatham	Norfolk
Reicheld, F.W.	Jarvis	Walpole
Richmount Developments Ltd.	Ridgeway	Bertie
Riverside Syndicate	Welland	Welland
Rocks Mills Gas & Oil Co.	London	Norwich South
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Frank	Ridgeway	Bertie
Round, Mrs. J.S.	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruch, K.C.	Stevensville	Bertie
Ruegg, J.A.	Ridgeway	Bertie
Ruiter, T.	Port Colborne	Humberstone
Shank & Snively	Hagersville	Oneida
Sherbrook Gas Syndicate	Dunnville	Sherbrooke
Sherk & Carrothers	Sherkston	Humberstone
Sherk, Bert	Stevensville	Bertie
Sherkston Gas Syndicate	Sherkston	Humberstone
Shurr, Ivan	Cayuga	Rainham
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Humberstone
Sider, Ralph ²	Ridgeway	Moulton and Bertie
Simon, B.	Chippawa	Willoughby
Smith & Ehde	Lowbanks	Moulton and Dunn
Southern, J.	Welland	Crowland
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Star Gas Syndicate	Ridgeway	Crowland, Humberstone and Bertie
Steele, K.	Port Colborne	Humberstone
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin ²	Jarvis	Bertie and Thorold
Sundy Gas Co.	Dunnville	Canboro
Sunnyside Gas Syndicate	Welland Junction	Humberstone
Swayze, H.	Hagersville	Oneida
T. H. & G. Syndicate	Fort Erie	Bertie
Tanke, E.	16 Irving Place, Buffalo, N.Y., U.S.A.	Thorold, Bertie and Humberstone
Tri-County Gas & Oil Co. Ltd.	Tillsonburg	Norwich South
Trio Gas Company	Dunnville	Canboro
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited	Chatham	Tilbury, De Clute, Dover, Dawn, Camden Gore, Zone, Haldimand and Chatham

Directory of Firms in the Natural Gas Industry, 1955 — Continued

Name	Address	Location of field
Ontario — concluded:		
Valencourt Gas Syndicate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Wale, H.	Stevensville	Humberstone
Walpole Gas Syndicate	Cayuga	Walpole, Cayuga North and Senaca
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Weaver, Frank	Port Colborne	Humberstone
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
Werner, D.	Fisherville	Cayuga South
Western Ashley Minerals Ltd.	Wyoming	Aldbrough and Mosa
Wilkinson Gas Syndicate	Fort Erie	Thorold
Willick, J.S.	Stevensville	Willoughby
Zuba, Andrew	Stevensville	Willoughby
Saskatchewan:		
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary, Alberta	Gull Lake
Bata Petroleum Ltd.	310 Broder Bldg., Regina	Unity
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Feldman, D.D., Oil & Gas	3200 Republic Bank Bldg., Dallas, Texas, U.S.A.	Cantuar, Success and Gull Lake
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary, Alberta	Lloydminster
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Lone Rock Gas Company	Lloydminster	Lone Rock
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Coleville
Alberta:		
Ace Oils Ltd.	122-8th Ave. W., Calgary	Lloydminster
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Acheson
Ajax Petroleum Limited	302 Bay St., Toronto, Ontario	Morinville
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	301 Lancaster Bldg., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	900 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	622-8th Ave. W., Calgary	Sturgeon Lake
American Leduc Petroleum Ltd.	101 Alexandra Bldg., Edmonton	Leduc and Bashaw
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary	Camrose, Drumheller, Leduc and Stettler
Anglo-Canadian Oil Company (1955) Limited ..	631-7th Ave. W., Calgary	Turner Valley
Argus Royalties Limited	631-7th Ave. W., Calgary	Turner Valley
Arrow Oil Royalties Limited	804 Greyhound Bldg., Calgary	Turner Valley
Athabasca Utilities ¹	Lloydminster	
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Leduc-Woodbend
Bonnyville Gas Company Limited	Bonnyville	Bonnyville
British American Oil Company Limited ⁴ ..	Royal Bank Bldg., Toronto, Ontario	Turner Valley, Redwater and Leduc
British Petroleum Ltd.	404-6th Ave. W., Calgary	Leduc-Woodbend
California Standard Co.	Medical Arts Bldg., Calgary	Various
Calwin Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
Canadian Delhi Oil Ltd.	1004 Barron Bldg., Calgary	Picardville
Canadian Gulf Oil Co.	Box 130, Calgary	Various
Canadian-Montana Gas Co., Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte, Pendant d'Oreille, and Smith Coulee
Canadian Pacific Railway Co.	Montreal, Quebec	Medicine Hat
Canadian Western Natural Gas Company Limited ..	215-6th Ave. W., Calgary	Brooks
Canadian Western Power & Fuel Co. Ltd.	Redcliff	Redcliff
Canso Natural Gas Ltd.	940-8th Ave. W., Calgary	Coleville
Coastal Oils Limited	232 Lougheed Bldg., Calgary	Turner Valley
Commoil Limited	122-8th Ave. W., Calgary	Turner Valley
Consolidated East Crest Oil Co. Ltd.	735-8th Ave. W., Calgary	Turner Valley
Dalhousie Oil Company Limited	35 Dominion Bank Chambers, Edmonton ...	Turner Valley
Department of National Defence	Suffield	Suffield
Dominion Glass Company Limited	1111 Beaver Hall Hill, Montreal, Quebec ...	Medicine Hat
Elk Point Gas Co. Ltd.	Elk Point	Elk Point
Excelsior Refineries Limited	227 Tegner Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	900 Lancaster Bldg., Calgary	Turner Valley
Federated Petroleum Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Flank Petroleum Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Foothills Oil & Gas Co. Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Gem Royalties Limited	403 Lancaster Bldg., Calgary	Turner Valley
Hewitt Oil Company	207 Lancaster Bldg., Calgary	St. Albert
Home Oil Company Limited	226 Lougheed Bldg., Calgary	Turner Valley and Leduc

Directory of Firms in the Natural Gas Industry, 1955 — Concludea

Name	Address	Location of field
Alberta — concluded:		
Hudson's Bay Oil & Gas Company Limited	534-8th Ave. W., Calgary	Viking-Kinsella, Turner Valley, Leduc
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Turner Valley, Leduc, Woodbend, Redwater, Lloydminster and Viking-Kinsella
Inland Gas & Oil Co. Ltd.	35 Dominion Bank Chambers, Edmonton	Fabyan
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster and Dina
Locksley Petroleum Ltd.	10920-88th Ave., Edmonton	Leduc-Calmar
Luscar Coals Limited	10920-88th Ave., Edmonton	Pembina
Mac Oils Limited	11536 Jasper Ave., Edmonton	Various
Major Oil Investments Limited	407 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Ltd.	Medicine Hat	Medicine Hat
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 100, Medicine Hat	Medicine Hat
Mid-Western Industrial Gas Ltd.	10167-99th St., Edmonton	Fort Saskatchewan
Mill City Petroleum Ltd.	403 Lancaster Bldg., Calgary	Turner Valley
Miracle Oils Limited	301 Lancaster Bldg., Calgary	Turner Valley
Miracle Royalties & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
National Petroleum Corporation Limited	401 Leeson-Lineham Bldg., Calgary	Turner Valley, Del Bonita and Spring Coulee
New British Dominion Oil Company Limited	304 Toronto General Trusts Bldg., Calgary	Stettler
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleum Limited	409 Lancaster Bldg., Calgary	Turner Valley
New Superior Oils of Canada Limited	224-9th Ave. W., Calgary	Various
Northland Oils Ltd.	401 Leeson-Lineham Bldg., Calgary	Turner Valley
Northwell Operators Limited	900 Lancaster Bldg., Calgary	Redwater
Northwestern Utilities Limited	10124-104 St., Edmonton	Viking-Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Quebec	Medicine Hat
Okalta Oils Limited	516-10th Ave. W., Calgary	Turner Valley and Leduc
Pacific Petroleum Ltd.	700 Petroleum Bldg., Calgary	Redwater, Armena and Peace River
Pan Western Oils Ltd.	940-8th Ave. W., Calgary	Leduc
Perry Brick & Tile Co. Ltd.	Redcliff	Medicine Hat
Ponder Oils Ltd.	213-6th Ave. W., Calgary	Leduc-Woodbend
Redcliff Premier Brick Co. Ltd.	Redcliff	Redcliff
Redcliff Pressed Brick Co., Ltd.	Redcliff	Redcliff
Redwater Oils Ltd.	Michael Bldg., Calgary	Viking
Renown Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Ross Petroleum Ltd.	10168-100th St., Edmonton	Leduc-Woodbend
Royal American Oil Co. Ltd.	201 Lancaster Bldg., Calgary	Leduc-Woodbend
Royal Canadian Oils Ltd.	615 Credit Foncier Bldg., Vancouver 1, British Columbia	Turner Valley
Royalite Oil Company Limited ⁴	606-2nd St. W., Calgary	Turner Valley
St. Paul Utilities Ltd.	9656 Jasper Ave., Edmonton	St. Paul
Scurry Oils Limited	1134-8th Ave. W., Calgary	Various
Shaw, R.	Lloydminster	Lloydminster
Shell Oil Co. of Canada Ltd.	25 Adelaide St. W., Toronto, Ontario	Jumping Pound
Sinclair Canada Oil Company	Tulsa, Oklahoma, U.S.A.	Various
Southwest Petroleum Company	232 Loughheed Bldg., Calgary	Turner Valley
Sovereign Royalties Ltd.	409 Third St. W., Calgary	Turner Valley
Stanolind Oil & Gas Company	308-9th Ave. W., Calgary	Bonnie Glen
Suffield Gas Supply	Suffield	Suffield
Sun Oil Company	Drawer 39, Calgary	Bonnie Glen
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Exploration Company	237-7th Ave. W., Calgary	Bonnie Glen and Wizard Lake
Tilley Gas Co. Ltd.	Tilley	Tilley
Tri-Tor Oils Ltd.	1410 Stanley St., Montreal, Quebec	Bonnyville
Twin Valley Oil Royalties Ltd.	506 Greyhound Bldg., Calgary	Turner Valley
United Assets Limited	232 Loughheed Bldg., Calgary	Turner Valley
Vanalta Ltd.	Granville Island, Vancouver, B.C.	Leduc-Woodbend
Vermilion Consolidated Oils Ltd.	Box 456, Edmonton	Lloydminster
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Redwater
Western Petroleum Operators Limited	407 Lancaster Bldg., Calgary	Turner Valley
Westside Royalties Limited	232 Loughheed Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc-Woodbend
Widney Oil & Drilling Co. Ltd.	735-8th Ave. W., Calgary	Leduc-Woodbend
Winalta Royalties Limited	301 Lancaster Bldg., Calgary	Turner Valley
York Oils Ltd.	232 Loughheed Bldg., Calgary	Turner Valley
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ontario	Fort Norman



CANADA

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1956

Published by Authority of

The Honourable Gordon Churchill, Minister of Trade and Commerce

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I — Mineral Statistics
- Part II — Forestry Statistics — Operations in the Woods
- Part III — Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A — General Review of the Mining Industry, 50¢
- B — The Gold Mining Industry, 50¢
- C — The Silver-Lead-Zinc Mining Industry, 25¢
- D — The Nickel-Copper Mining, Smelting and Refining Industry, 25¢
- E — The Iron Mining Industry, 25¢
- F — The Miscellaneous Metal Mining Industry, 25¢
- G — The Smelting and Refining Industry, 25¢
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- I — The Crude Petroleum and Natural Gas Industry, 25¢
- J — The Asbestos Mining Industry, 25¢
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- N — The Salt Industry, 25¢
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- P — The Miscellaneous Non-metal Mining Industry, 25¢
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- V — Contract Drilling in the Mining Industry, 25¢

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY 1956

(a) THE CRUDE PETROLEUM INDUSTRY

Crude petroleum production in Canada during 1956 amounted to 171,981,413 barrels valued at \$406,561,872 compared with 129,440,247 barrels valued at \$305,640,036 in the preceding year.

Alberta wells produced 83.6 per cent of Canada's output. The fields in Alberta which produced in excess of 2 million barrels were, Acheson, Bonnie Glen, Clive, Fenn-Big Valley, Golden Spike, Joarcam, Joffre, Leduc-Woodbend, Pembina, Redwater, Stettler, Westeros, and Wizard Lake. Listed in the new fields were Bellshill Lake, Bentley, Keystone, and Willesden Green.

Wells in Saskatchewan produced 21,077,371 barrels in 1956 compared with 11,317,168 barrels in 1955. New fields in this province were Alameda, Carnduff, Gainsborough, Glen Ewen, Kingsford, Manor Queensdale, Torquay, Verlo, and Whiteside. In Manitoba the output of 5,786,540 barrels was

obtained from wells in the southwest area of the province. Ontario produced 593,370 barrels compared with 525,510 barrels in 1955. There was only a small increase in production at Norman Wells in the Northwest Territories. New Brunswick produced 16,628 barrels. British Columbia produced 148,454 barrels in the Peace River area in 1956. There were 582 barrels valued at \$1,326 shipped from British Columbia wells in 1955: these data have not been included in the statistical data.

Employed in the industry were 5,145 persons to whom \$25,734,994 were paid as salaries and wages. Fuel cost \$2,650,023 and 60,648,678 kwh of electricity were purchased for \$1,581,747. Process supplies were valued at \$8,817,449.

The general statistics refer only to firms which have producing wells, thus some oil-prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, Significant Years, 1921-1956

Year	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production
	No.	No.	\$	\$	\$	\$	\$
1921.....	2,828	190	215,791	N.A.	N.A.	641,533	N.A.
1929.....	2,635	2,221	3,748,689	293,354	"	4,368,374	"
1931.....	2,346	1,209	1,634,517	303,511	"	4,733,287	"
1933.....	2,128	718	773,734	136,278	"	3,562,170	"
1937.....	2,328	1,620	2,340,359	471,187	638,779	6,002,638	4,892,672
1939.....	2,389	1,780	2,567,983	707,067	724,988	10,742,977	9,310,922
1941.....	2,312	1,844	3,254,817	609,616	194,182	15,011,324	14,207,526
1944.....	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358	14,575,563
1946.....	2,314	1,563	3,260,571	914,551	109,555	14,725,139	13,701,033
1949.....	3,166	2,142	6,304,601	599,562	386,145	61,091,128	60,105,421
1950.....	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945	82,881,844
1951.....	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729	113,155,236
1953.....	7,506	4,150	16,430,201	2,447,173	3,020,756	204,481,012	199,013,083
1954.....	8,562	3,870	15,756,455	2,848,332	4,095,789	247,854,366	240,910,245
1955.....	10,467	4,019	16,948,262	3,289,228	5,785,035	310,666,676	301,592,413
1956.....	13,142	5,145	25,734,994	4,231,770	8,817,449	408,291,885	395,242,666

1. Gross value of shipments less cost of fuel, electricity and process supplies.

Note. Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics for the Crude Petroleum Industry, by Provinces, 1955 and 1956

Year	Operating wells	Em- ployees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production
	No.	No.	\$	\$	\$	\$	\$
1955							
Ontario	1,433	157	374,246	50,661	47,531	1,599,335	1,501,143
Manitoba	611	114	446,141	112,040	185,039	9,566,783	9,269,704
Saskatchewan	1,764	729	2,985,583	692,336	1,149,817	18,461,798	16,619,645
Alberta	6,614	2,994	13,069,993	2,431,546	4,402,648	279,875,950	273,041,756
Northwest Territories	28	25	72,299	2,645	—	1,162,810	1,160,165
Canada	10,467²	4,019	16,948,262	3,289,228	5,785,035	310,666,676	301,592,413
1956							
Ontario	1,422	174	429,821	46,872	119,228	1,958,121	1,792,021
Manitoba	778	156	652,977	165,731	143,673	13,421,451	13,112,047
Saskatchewan	2,587	1,037	4,615,552	937,416	1,961,922	36,191,469	33,292,131
Alberta	8,162	3,486	18,388,932	3,057,946	5,048,775	355,668,490	347,561,769
British Columbia	112	280	1,569,293	16,207	1,542,285	319,804	- 1,238,688
Northwest Territories	65	12	78,419	7,598	1,566	732,550	723,386
Canada	13,142³	5,145	25,734,994	4,231,770	8,817,449	408,291,885	395,242,666

1. Gross value of shipments less cost of fuel, electricity and process supplies.

2. Includes 17 wells in New Brunswick.

3. Includes 16 wells in New Brunswick.

TABLE 3. Production of Crude Petroleum, by Provinces, 1955 and 1956

Province	1955		1956	
	Barrels	\$	Barrels	\$
New Brunswick	12,548	17,567	16,628	23,279
Ontario	525,510	1,599,335	593,370	1,958,121
Manitoba	4,145,756	9,618,154	5,786,540	13,633,088
Saskatchewan	11,317,168	18,317,968	21,077,371	36,253,078
Alberta	113,035,046	274,901,232	143,909,641	353,629,158
British Columbia	—	—	148,454	302,375
Northwest Territories	404,219	1,185,780	449,409	762,773
Canada	129,440,247	305,640,036	171,981,413	406,561,872

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1954-1956

Field	1954	1955	1956	Field	1954	1955	1956
	Barrels				Barrels		
Acheson	2, 756, 232	2, 698, 527	2, 579, 503	Kessler	—	10, 081	7, 580
Acheson East	53, 524	58, 976	53, 566	Keystone	—	—	3, 970
Alhambra	—	27, 238	154, 698	Leahurst	241	—	828
Alliance	20, 207	396	—	Leduc-Woodbend	20, 560, 789	20, 421, 285	21, 097, 718
Armisie	57, 448	22, 916	24, 053	Legal	60, 241	49, 247	39, 458
Barons	43, 833	38, 980	31, 185	Little Smoky	—	95, 024	67, 838
Bashaw	39, 111	48, 294	47, 608	Lloydminster	1, 101, 235	1, 221, 505	1, 091, 536
Battle	84, 105	116, 642	108, 406	Malmo	697, 053	739, 720	754, 407
Battle North	—	35, 751	36, 698	Morinville	8, 101	7, 897	9, 451
Battle South	—	173, 705	135, 104	Namao	56, 040	48, 507	44, 144
Baxter Lake	30, 268	33, 912	24, 280	Nevis	14, 596	15, 450	12, 231
Bellshill Lake	—	—	183, 750	New Norway	339, 990	360, 910	389, 616
Bentley	—	—	260, 900	Oberlin	153	97	—
Bonnie Glen	6, 960, 330	7, 826, 622	10, 279, 168	Peavey	53, 401	49, 485	56, 341
Bonnyville	42, 530	37, 100	27, 496	Pembina	800, 404	14, 795, 375	33, 701, 302
Campbell	39, 827	48, 805	52, 219	Pincher Creek	—	—	12, 875
Cessford	267, 319	233, 007	197, 826	Princess	20, 648	12, 430	6, 646
Chamberlain	21, 265	8, 158	1, 485	Provost	—	1, 345	200
Chauvin	151, 082	163, 721	171, 584	Redwater	24, 895, 984	28, 506, 532	28, 182, 265
Chauvin South	10, 594	9, 268	10, 136	Rocky Mountain House	—	39, 573	66, 475
Clive	202, 844	227, 920	283, 392	Rycroft	—	308	935
Conrad	117, 230	104, 290	95, 540	St. Albert	88, 998	70, 574	130, 072
Del Bonita	38, 145	31, 500	27, 933	Samson	13, 478	7, 868	9, 372
Dina	9, 100	11, 319	5, 098	Skaro	2, 671	—	—
Drumheller	277, 258	272, 370	293, 301	Spring Coulee	4, 478	2, 548	4, 041
Duhamel	538, 010	599, 574	636, 091	Stettler	897, 168	1, 832, 836	2, 119, 496
Ellerslie	45, 978	37, 651	31, 209	Sturgeon Lake	17, 265	78, 276	403, 598
Erskine	201, 102	567, 184	997, 773	Sturgeon Lake South	70, 189	680, 566	1, 962, 933
Ewing Lake	—	42, 756	33, 122	Sundre	—	207, 654	796, 336
Excelsior	1, 163, 649	1, 084, 643	1, 004, 637	Taber	114, 078	110, 519	120, 527
Fairydell-Bon Accord	312, 045	555, 028	572, 089	Turner Valley	2, 137, 907	2, 056, 439	1, 776, 393
Fenn-Big Valley	6, 492, 733	7, 546, 666	8, 028, 779	Vermilion	1, 427	—	—
Gilby	—	50, 205	71, 970	Wainwright	119, 429	207, 517	678, 671
Gilby West	—	46, 436	83, 848	Wayne	—	87, 492	82, 290
Glenevis	—	38, 868	57, 238	West Drumheller	1, 089, 720	1, 227, 687	1, 397, 044
Glen Park	464, 875	468, 426	421, 973	Westerose	1, 372, 193	1, 742, 259	2, 317, 544
Golden Spike	2, 549, 518	3, 400, 517	3, 941, 614	Westward Ho	—	124, 312	278, 507
Hamilton Lake	92, 882	128, 104	123, 621	Whitelaw	—	—	—
Harmattan-Elkton	—	—	796, 039	Whitemud	14, 799	11, 770	13, 666
Harold Lake	—	—	5, 208	Willesden Green	—	—	3, 804
Hespero	—	—	39, 638	Wizard Lake	3, 706, 921	3, 720, 011	4, 823, 992
Homeglen Rimbey	226, 961	417, 763	487, 040	Other areas	615, 889	631, 503	1, 000, 443
Joarcam	4, 858, 380	4, 792, 878	4, 540, 276				
Joffre	560, 560	1, 690, 090	3, 331, 075				
Jumping Pound	109, 424	164, 238	156, 925	Total Alberta	87, 713, 855	113, 035, 046	143, 909, 641

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1955 and 1956

Field	1955	1956	Field	1955	1956
	barrels			barrels	
Alameda	—	19,926	McLaren	97,831	68,664
Alida	247,357	648,967	Maidstone	9,137	4,243
Battrum	21,027	842,681	Manor	—	2,603
Bone Creek	77,164	246,431	Marengo	3,475	—
Cantuar	639,630	1,357,160	Marsden	33,376	23,194
Carnduff	—	120,754	Midale	478,586	1,430,098
Coleville-Smiley	3,439,005	3,633,832	Midway	—	2,391
Dollard	322,533	1,302,192	Moose	11,130	8,400
Eastend	—	42,038	North Premier	1,135	90,159
Forget	9,970	6,391	Nottingham	265,069	1,365,847
Fosterton	1,353,259	1,866,736	Queensdale	—	3,301
Frobisher	237,290	320,822	Rapdan	—	71,143
Gainsborough	—	5,995	Ratcliffe	11,261	7,373
Glen Ewen	—	12,391	South Illerbrun	—	—
Gull Lake	547,524	532,286	Steelman	197,457	1,849,390
Halbrite	—	13,879	Success	1,154,977	1,728,871
Hastings	21,321	255,882	Torquay	—	9,966
Hoosier	12,924	9,337	Verlo	—	11,591
Instow	3,860	217,633	Wapella	261,697	264,141
Java	1,996	5,563	Waseca	22,553	16,492
Kingsford	—	555,396	Weyburn	66,765	386,795
Lampman	25,900	78,421	Whiteside	—	28,762
Leon Lake	6,135	23,239	Other areas	62,163	68,440
Lloydminster	945,815	882,993			
Lone Rock	727,846	634,562	Total Saskatchewan ..	11,317,168	21,077,371

TABLE 6. Production of Crude Petroleum in Ontario, by Fields, 1956

County	Field or pool	Township	Producing formation	Production barrels
Elgin	Crinan Rodney Wallacetown	Aldborough Aldborough Dunwich	Salina Columbus Dundee	591 409,809 1,731
Essex	Staples	Tilbury West	Guelph	1,014
Kent	Bothwell—Thamesville Dover Wabash	Zone, Camden, etc. Dover Camden	Dundee Trenton Dundee	11,484 1,304 1,164
Lambton	Becher Bickford Dante Dawn Miscellaneous Corunna Oakdale Oil Springs Petrolia Sombra Warwick Watford	Sombra Sombra Euphemia Dawn Euphemia Moore Dawn Enniskillen Enniskillen Sombra Warwick Warwick	Salina Guelph Dundee Salina—Guelph Dundee—Guelph Salina—Guelph Dundee Dundee Dundee Guelph Guelph Dundee	41,234 23 312 6,726 478 24,969 49 28,988 32,940 45 13,273 794
Middlesex	Glencoe Grand Bend Kerrwood	Mosa McGillivray Metcalfe	Dundee Guelph Dundee	8,976 7,379 87
Total Ontario				593,370

TABLE 7. Production of Crude Petroleum, 1947-1956

Year	Barrels	\$	Year	Barrels	\$
1947	7,692,492	19,575,682	1952	61,237,322	143,038,212
1948	12,286,660	37,418,895	1953	80,898,897	200,582,276
1949	21,305,348	61,118,490	1954	96,080,345	243,877,030
1950	29,043,788	84,619,937	1955	129,440,247	305,640,036
1951	47,615,534	116,655,238	1956	171,981,413	406,561,872

TABLE 8. Production of Crude Petroleum, by Provinces, 1947-1956

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
Barrels of 35 Imperial gallons								
1947	23,129	131,295	—	540,117	6,770,477	—	227,474	7,692,492
1948	21,372	176,989	—	849,166	10,888,592	—	350,541	12,286,660
1949	19,544	260,670	—	782,188	20,087,418	—	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	—	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	—	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	—	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	—	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	—	369,887	96,080,345
1955	12,548	525,510	4,145,756	11,317,168	113,035,046	—	404,219	129,440,247
1956	16,628	593,370	5,786,540	21,077,371	143,909,641	148,454	449,409	171,981,413

TABLE 9. Production of Crude Petroleum, by Months, 1956

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
Barrels of 35 Imperial gallons								
January	919	42,719	434,521	1,369,685	11,737,547	160	17,532	13,603,083
February	860	44,504	429,537	1,310,845	11,708,273	—	44,767	13,538,786
March	1,018	47,906	493,468	1,375,707	12,334,648	101	45,301	14,298,149
April	960	48,857	422,286	1,185,654	10,173,768	—	46,109	11,877,634
May	903	51,719	463,717	1,472,147	9,976,591	—	44,127	12,009,204
June	918	50,714	475,776	1,531,202	11,136,927	3,842	26,842	13,226,221
July	1,052	54,378	508,908	1,619,364	12,017,298	9,799	37,298	14,248,097
August	1,993	53,881	518,054	1,871,110	13,555,652	16,275	48,076	16,065,041
September	2,272	49,393	519,339	1,935,793	12,539,791	22,847	46,819	15,116,254
October	2,206	53,522	530,359	2,323,319	12,800,174	34,444	32,819	15,776,843
November	1,912	52,708	494,933	2,486,956	12,471,133	28,853	23,635	15,560,130
December	1,615	43,069	495,642	2,595,589	13,457,839	32,133	36,084	16,661,971
Total	16,628	593,370	5,786,540	21,077,371	143,909,641	148,454	449,409	171,981,413

TABLE 10. Production and Sales of Natural Gasoline and Naphtha in Alberta, 1955 and 1956

	1955	1956
Production—by fields:		
Acheson	15,429	14,876
Big Valley	—	418
Bonnie Glen	118,516	143,286
Devon	—	142,605
Fenn-Big Valley	3,752	—
Jumping Pound	56,798	57,817
Leduc-Woodbend	116,736	—
Morinville	11,872	9,851
Nevis	—	1,360
Redwater	—	7,205
Turner Valley	545,313	536,154
Total Alberta	868,416	913,572
Sales	853,530	908,805
Sales	2,463,133	2,637,048

Note. Natural gasoline is not included in the crude petroleum figures since 1950.

TABLE 11. Petroleum Wells, by Provinces, 1954-1956

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	North- west Territories	Canada
	Number							
Productive wells at beginning of year:								
1954	26	1,423	96	633	4,454	—	28	6,660
1955	17	1,392	279	920	5,061	—	26	7,695
1956	17	1,433	546 ¹	1,539 ¹	6,425 ¹	42	61	10,063 ¹
Number of productive wells drilled:								
1954	—	45	181	292	805	—	—	1,323
1955	—	51	276	535	1,260	—	2	2,124
1956	—	57	195	747	1,442	39	4	2,484
Number of wells abandoned:								
1954	—	8	—	31	212	—	2	253
1955	—	14	5	30	158	—	—	207
1956	1	68	17	49	220	1	—	356
Number of dry wells drilled:								
1954	—	—	42	320	294	—	—	656
1955	—	—	49	287	294	—	—	630
1956	—	—	40	237	310	15	—	602
Number of productive wells in operation at end of year:								
1954	17	1,392	279	920	5,061	—	26	7,695
1955	17	1,433	550	1,425	6,163	—	28	9,616
1956	16	1,422	724	2,237	7,647	80	65	12,191

1. Adjustment.

TABLE 12. Employees¹ and Their Earnings in the Crude Petroleum Industry, 1955 and 1956

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1955								
Ontario	25	12	120	—	157	130,646	243,600	374,246
Manitoba	44	5	65	—	114	210,832	235,309	446,141
Saskatchewan	232	55	442	—	729	1,281,614	1,703,969	2,985,583
Alberta	545	89	2,335	25	2,994	3,350,114	9,719,879	13,069,993
Northwest Territories	1	—	24	—	25	6,299	66,000	72,299
Canada	847	161	2,986	25	4,019	4,979,505	11,968,757	16,948,262
1956								
Ontario	23	12	139	—	174	128,683	301,138	429,821
Manitoba	44	4	108	—	156	233,060	419,917	652,977
Saskatchewan	309	78	648	2	1,037	1,839,385	2,776,167	4,615,552
Alberta	749	138	2,579	20	3,486	5,181,836	13,207,096	18,388,932
British Columbia	126	17	134	3	280	846,181	723,112	1,569,293
Northwest Territories	2	—	10	—	12	14,219	64,200	78,419
Canada	1,253	249	3,618	25	5,145	8,243,364	17,491,630	25,734,994

1. Employment in New Brunswick included in Natural Gas Industry.

TABLE 13. Employees and Their Earnings in the Crude Petroleum Industry, 1952-1956

Year	Number of employees					Number of man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
							\$	\$	\$
1952	537	119	3,018	28	3,702	9,574,639	2,520,231	12,090,590	14,610,821
1953	784	161	3,153	52	4,150	10,506,225	3,875,318	12,554,883	16,430,201
1954	855	194	2,782	39	3,870	10,013,487	4,757,441	10,999,014	15,756,455
1955	847	161	2,986	25	4,019	10,031,173	4,979,505	11,968,757	16,948,262
1956	1,253	249	3,618	25	5,145	12,819,810	8,243,364	17,491,630	25,734,994

Note. Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 14. Workmen, by Months, in the Crude Petroleum Industry, 1955 and 1956 (Number on pay-roll on the last work-day of each month)

Month	1955			1956		
	Male	Female	Total	Male	Female	Total
January	2,914	20	2,934	3,404	18	3,422
February	2,856	22	2,878	3,450	20	3,470
March	2,835	21	2,856	3,444	20	3,464
April	2,631	22	2,653	3,090	21	3,111
May	2,709	21	2,730	3,499	23	3,522
June	2,982	22	3,004	3,618	22	3,640
July	3,060	24	3,084	3,741	23	3,764
August	3,148	27	3,175	3,749	25	3,774
September	3,127	25	3,152	3,709	23	3,732
October	3,086	26	3,112	3,768	30	3,798
November	3,164	24	3,188	3,823	28	3,851
December	3,121	24	3,145	3,863	26	3,889
Average	2,986	25	3,011	3,618	25	3,643
Total man-hours worked			6,730,152			8,821,901

TABLE 15. Fuel and Electricity used in the Crude Petroleum Industry, 1956

Kind	Unit of measure	Quantity	Cost at plant
			\$
Bituminous coal (a) From Canadian mines	short ton	105	1,087
(b) Imported	"	—	—
Sub-bituminous coal (from Alberta mines only)	"	140	1,148
Anthracite coal	"	—	—
Lignite coal	"	—	—
Coke (for fuel only)	"	—	—
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal.	4,080,814	1,637,406
Kerosene or coal oil	"	4,640	1,776
Fuel oil	"	2,735,435	578,599
Wood (cords of 128 cubic feet of piled wood)	cord	5	25
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal.	145,728	32,391
(b) Other manufactured gas	M cu. ft.	—	—
(c) Natural gas	"	5,363,511	397,591
Other fuel	—	—	—
Electricity purchased for power and lighting	k.w.h.	60,648,678	1,581,747
Electricity purchased for other purposes	"	—	—
Total .....		...	4,231,770
Electricity generated (a) For own use	k.w.h.	4,766,770	...
(b) For sale	"	—	—

TABLE 16. Imports of Petroleum, Asphalt and Their Products, 1955 and 1956

Item	1955		1956		
	Quantity	Value	Quantity	Value	
		\$		\$	
Asphaltum or asphalt, solid or not	cwt.	575,836	756,359	647,535	930,666
Asphalt oil for paving	gal.	62,161	10,309	66,960	9,871
Oil, imported by miners or mining companies, for the concentration of ores or metals	"	237,026	301,717	189,163	280,511
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah.	M gal.	3,033,732	229,479,786	3,726,439	270,881,006
Crude petroleum, n.o.p.	gal.	6,865	635	11,550	1,098
Petroleum tops: blends of petroleum tops or petroleum products with crude petroleum: all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah., when imported by oil refiners to be refined	gal.	3,997,349	298,973	5,996,977	408,689
Fuel oil, ex-warehoused, for ships' stores	"	1,707,577	78,024	—	—
Aviation gasoline	"	108,868,252	22,121,081	103,206,194	21,356,281
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p.	"	12,145,176	1,437,002	20,089,504	2,339,654
Engine distillate, .8017 specific gravity or heavier at 60° Fah.	"	83,425	11,661	67,486	9,533
Gasoline, lighter than .8236 specific gravity at 60° Fah.	"	94,157,324	12,930,013	94,712,672	13,278,319
Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° fah., when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	"	8,327,999	768,045	7,061,946	572,506
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	gal.	32,442,930	6,240,585	23,268,869	4,865,673
Lubricating oils, 25 cents and over	"	12,002,774	5,247,081	20,776,183	8,140,475
Oils, mineral, n.o.p.	"	1,539,377	1,451,660	1,692,181	1,520,417
Stove oil, No. fuel oil	"	127,314,955	14,222,312	168,686,860	19,662,944
Light fuel oils, Nos. 2 and 3	"	319,497,097	32,600,124	262,552,800	28,745,957
Heavy fuel oils, Nos. 4, 5 and 6	"	364,898,427	22,041,062	375,758,770	25,454,534
Diesel fuel	"	81,611,284	8,812,113	67,378,233	7,729,551
Tractor fuel	"	—	—	—	—
Petroleum greases and lubricating greases, n.o.p.	lb.	18,709,142	1,939,918	18,225,566	2,098,418
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes	—	—	669,470	—	674,491
Paraffin wax	lb.	42,655,909	2,659,343	42,956,237	2,890,954
Paraffin wax candles	"	271,697	86,986	312,683	100,896
Products of petroleum, n.o.p.	gal.	14,297,211	3,710,785	21,553,612	4,990,725
Liquefied petroleum gases	lb.	222,223,243	2,581,828	204,829,101	3,200,942
Naphtha, including solvent naphtha	gal.	15,719,849	3,111,709	15,712,626	3,265,014

TABLE 17. Exports of Petroleum and its Products, 1955 and 1956

Item	1955		1956	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude..... gal.	519,189,000	36,253,134	1,501,783,000	103,923,155
Oil, coal and kerosene, refined	5,745	1,429	31,914,470	4,028,334
Gasoline and naphtha..... "	12,733,657	1,898,420	27,033,680	3,842,826
Fuel oil	18,011,565	1,540,484	30,531,293	2,763,510
Lubricating oil	57,146	195,692	121,189	361,800
Oil, mineral, n.o.p.	22,730	2,987	10,312	6,284
Wax, mineral	1,815	27,268	2,344	22,215

TABLE 18. Canadian Crude Petroleum Supply, 1942-1956

Year	Canadian production	Imports	Exports ¹	Apparent supply
	Barrels of 35 Imperial gallons			
1942	10,364,796	44,120,212	—	54,485,008
1943	10,052,302	49,753,782	—	59,806,084
1944	10,099,404	57,047,826	—	67,147,230
1945	8,482,796	56,806,214	—	65,289,010
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,948	172,619,067
1955	129,440,247	86,792,460	14,833,971	201,398,736
1956	171,981,413	106,641,358	42,908,086	235,714,685

1. Exports were comparatively small prior to 1951 and may be neglected.

TABLE 19. Receipts of Crude Petroleum by Canadian Refineries, 1952-1956

Year	Maritimes and Quebec	Ontario	Manitoba Saskatchewan Alberta and Northwest Territories	British Columbia	Canada
	Barrels				
1952:					
Canadian	—	20,030,188	38,355,581	508,862	58,894,631
Imported.....	61,373,935	13,657,565	29,042	7,406,780	82,467,322
Total	61,373,935	33,687,753	38,384,623	7,915,642	141,361,953
1953:					
Canadian	—	22,954,227	43,711,979	2,679,381	69,345,587
Imported.....	64,439,523	11,066,468	7,446	5,892,673	81,406,110
Total	64,439,523	34,020,695	43,719,425	8,572,054	150,751,697
1954:					
Canadian	—	35,284,938	44,139,544	13,255,337	92,679,819
Imported.....	66,202,831	8,808,162	2,249	1,759,789	76,773,031
Total	66,202,831	44,093,100	44,141,793	15,015,126	169,452,850
1955:					
Canadian	—	38,848,811	48,891,081	17,310,671	105,050,563
Imported.....	76,796,694	9,954,434	—	—	86,751,128
Total	76,796,694	48,803,245	48,891,081	17,310,671	191,801,691
1956:					
Canadian	395,178	49,127,424	54,643,673	21,425,799	125,592,074
Imported.....	97,206,641	9,098,891	—	—	106,305,532
Total	97,601,819	58,226,315	54,643,673	21,425,799	231,897,606

TABLE 20. World Crude Oil Production, 1954-1956

	1954	1955	1956
Thousands of barrels daily			
North America:			
United States	6,346.0	6,752.0	7,146.2
Canada	263.2	354.6	471.2
Mexico	226.8	241.2	255.1
Total	6,836.0	7,347.8	7,872.5
South America:			
Venezuela	1,897.2	2,152.3	2,452.7
Colombia	109.5	107.6	120.4
Argentina	81.3	83.2	83.4
Trinidad	65.0	67.4	70.0
Peru	46.7	47.0	49.9
Ecuador	8.4	9.5	9.8
Chile	4.8	6.9	9.5
Brazil	2.6	5.8	10.9
Bolivia	4.5	7.7	8.8
Cuba	0.2	0.9	1.7
Total	2,220.2	2,488.3	2,817.1
Western Hemisphere	9,056.2	9,836.1	10,689.6
Europe and Africa:			
Austria	62.0	65.0	63.8
Germany	51.8	61.4	68.0
Netherlands	17.8	19.5	20.6
France	9.8	15.5	24.1
Yugoslavia	4.2	3.0	3.0
Algeria	1.6	1.2	0.7
French Morocco	2.4	2.2	2.0
Italy	1.5	4.3	10.5
United Kingdom	1.2	1.2	1.3
Total (excluding U.S.S.R. and satellites)	152.3	173.3	194.0
U.S.S.R.	1,145.0	1,300.0	1,568.0
Romania	150.0	150.0	223.0
Hungary	14.0	24.0	35.0
Poland	4.0	4.0	7.0
Albania	3.0	6.0	6.0
Czechoslovakia	2.5	2.5	3.0
Total	1,318.5	1,486.5	1,842.0
Total Europe and Africa	1,470.8	1,659.8	2,036.0
Near and Middle East:			
Kuwait	955.8	1,106.0	1,075.2
Saudi Arabia	952.6	964.1	985.3
Iraq	628.7	682.0	641.8
Iran	56.0	322.7	547.5
Qatar	104.9	114.2	127.5
Egypt	37.7	31.7	36.6
Bahrein	30.1	30.0	30.0
Neutral zone	16.5	25.7	37.5
Turkey	1.1	3.2	5.9
Total	2,783.4	3,279.6	3,487.3
Far East and Oceania:			
Indonesia	218.1	239.5	254.1
British Borneo	98.8	106.5	119.4
Japan	5.9	6.1	6.1
India	6.8	6.9	6.2
New Guinea	10.8	9.6	—
Pakistan	5.0	5.6	5.7
Burma	3.4	4.0	4.9
China	2.0	2.5	—
Total	350.8	380.7	396.4
Eastern Hemisphere	4,605.0	5,320.1	5,919.7
World total	13,661.2	15,156.2	16,609.3

Crude Petroleum Producers, 1956

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton	Stoney Creek
Ontario¹:		
Albot Gas & Oil Limited	10 Adelaide St. E., Toronto	Aldborough
Aldborough Oil & Gas Co.	R.R. #1, Rodney	Aldborough
Allegeny Producing Corp.	80 N. Mail St., Wellsville, N.Y., U.S.A.	Glencoe
Ayrheart, E.J.	Oil Springs	Petrolia and Enniskillen
Barnes, A.G.	Petrolia	Petrolia and Enniskillen
Beattie, John	Rodney	Aldborough
Brennan, R.J.	Petrolia	Petrolia
Bright Oil & Gas Co. Ltd.	29 Third St., Chatham	Camden Gore and Euphemia
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Cole, W.J.	Petrolia	Petrolia and Enniskillen
Colonial Petroleums Ltd.	52 Victoria Ave., Chatham	Dawn Twsp.
Comfort, N.	102 Inshes Ave., Chatham	Dover
Copeland, Russell	Petrolia	Petrolia and Enniskillen
DeMers, Victor E.	Box 182, Petrolia	Petrolia and Oil Springs
Dominion Natural Gas Co.	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Aldborough
Dominion Petroleum Co.	R.R. #2, Glencoe	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F.H.	Box 125, Crescent Park, Petrolia	Petrolia and Enniskillen
Fairbank, H.H., Estate	Petrolia	Petrolia and Enniskillen
Felmont Oil Corporation	Rodney	Aldborough
Hamlin, F.G.	Petrolia	Petrolia and Enniskillen
Heal, A.A.	Watford	Warwick and Adelaide
Holmes, E.B.	Bothwell	Zone
Imperial Oil Ltd.	340 Saskatoon St., Box 485, London	Sombra, Euphemia, Mosa, Moore, Corunna and Becher
Kells, E.E.	Petrolia	Petrolia and Enniskillen
Kerr, J.J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E.A.	Bothwell	Zone
Lewis, Wm.	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
Marcus, L.	Wallacetown	Dunwick
McCree, K.D.	Bothwell	Camden Gore
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H.M.	Oil Springs	Petrolia and Enniskillen
New Bristol Oils Limited	85 Richmond St. W., Toronto	Aldborough
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Pal Oil & Gas Co. Ltd.	Box 378, Thamesville	Aldborough
Page, C.M.	Petrolia	Petrolia and Enniskillen
Pope, Wm.	Bothwell	Zone
Prairie Gas & Oil Co. Limited	170 Bay St., Toronto 1	Dover East and Raleigh
Roth, E.L. - F.L. Riggin	Rondeau Park	Aldborough
Shain, Viola, Mrs.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Union Gas Company of Canada, Limited..	48 Fifth Ave., Chatham	Grand Bend
Warwick, Jack	Bothwell	Zone
Wilson-Sullivan Development Co.	104 S. Christina St., Sarnia	Warwick
Woodward, Wm.	Oil Springs	Petrolia and Enniskillen
Yerks, Frank	Petrolia	Petrolia and Enniskillen
Manitoba:		
Amurex Oil Company	703-5th St. W., Calgary, Alberta	Virden and Roselea
Banff Oil Ltd.	505-8th Ave. W., Calgary, Alberta	Virden
Basco Petroleums Ltd.	101-412 Seymour St., Vancouver, British Columbia	Daly
British American Oil Company Limited ..	Bay & College Sts., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Virden
Canadian Devonian Petroleums Ltd.	1762 Scarth St., Regina, Sask.	Virden and Roselea
Canadian Pipe Lines & Petroleums Ltd..	213-6th Ave. W., Calgary, Alberta	Daly
Canadian Prospect Limited	203 Oil Exchange Bldg., Calgary, Alberta	Virden
Canadian Superior Oil of California Ltd..	627-8th Ave. W., Calgary, Alberta	Virden

1. Producer of 300 barrels or more during the year.

Crude Petroleum Producers, 1956 — Continued

Name	Address	Location of field
Manitoba — concluded:		
Can-Tex Drilling Co. Ltd.	239-6th Ave. W., Calgary, Alberta	Daly
Cleary Oil Company Ltd.	309-7th Ave. W., Calgary, Alberta	Daly and Woodnorth
Dome Exploration (Western) Limited	528-9th Ave. W., Calgary, Alberta	North Scallion, Ebor, Weld- house, Tapp and Whiteford
Eureka Oils Ltd.	176 Sutherland Ave., Winnipeg	Roselea and Viriden
Fargo Oils Ltd.	320-7th Avenue W., Calgary Alberta	Viriden and Roselea
Great Northern Carbon & Chemical Co. Ltd.	625 Dominion Square Bldg., Montreal, Quebec	Westover
Great Sweet Grass Oils Ltd.	100 Adelaide St. W., Toronto, Ontario	Tilston, Pierson and Whitewater
Hegion & Atkinson Ltd.	Box 1027, Viriden	Viriden and Roselea
Imperial Oil Limited	56 Church St., Toronto, Ontario	Viriden
Johnston, A.C.	Minneapolis, Minn. U.S.A.	Various
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Viriden and Routledge
Northern Development Company Limited	Box 456, Edmonton, Alberta	Pierson and Tilston
Owen, J.P.	Box 665, Overton, Texas, U.S.A.	Tilston, Roselea and Waskada
Pascar Oils Limited	516 Toronto General Trusts Bldg., Winnipeg	Coulter
Roselea Syndicate	Viriden	Viriden and Roselea
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Lulu Lake
Shell Oil Co.	P.O. Box 100, Calgary, Alberta	Various
Souris Valley Oil Co. Limited	201 Avenue Building, Winnipeg	Viriden and Daly
Sun Oil Company	Drawer 39, Calgary, Alberta	Viriden
Thunderbird Oils Ltd.	602-8th Ave. W., Calgary, Alberta	Viriden
West Canadian Petroleums Ltd.	505-8th Ave., Calgary, Alberta	Viriden
Saskatchewan:		
Alida Oil Co. Ltd.	940-8th Ave. W., Calgary, Alberta	Various
Amerada Petroleum Corp.	622-8th Ave. W., Calgary, Alberta	Wood Mtn. and Val Marie
Amurex Oil Co.	703 Fifth St. W., Calgary, Alberta	Hatton, Midale and Weyburn
Anglo-American Exploration Limited	330-9th Ave. W., Calgary, Alberta	Gull Lake, Frobisher
Armena Petroleums Limited	101 Alexandra Bldg., Calgary, Alberta	Lone Rock
Barons Oil Limited & North Continental Oil & Gas Corporation Ltd.	200 Leeson-Lineham Blk., Calgary, Alberta ..	Lloydminster
Bass, Harry, Oil Company	239-6th Ave. W., Calgary, Alberta	Coleville
Beaver State Wilrich Excelsior Limited ..	222 Tegler Bldg., Edmonton, Alberta	Lloydminster
British American Oil Co. Limited	Bay & College Sts., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Hastings and Laird
Canadian Delhi Oil Ltd.	505-8th Ave., Calgary, Alberta	Bone Creek
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary, Alberta	Various
Canadian Oil Co. Ltd.	631-7th Ave. W., Calgary, Alberta	Weyburn
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alberta	Nottingham, Midale and Alida
Canso Oil Producers Ltd.	940-8th Ave., Calgary, Alberta	Coleville and Smiley
Christie, Mitchell & Mitchell Co.	320-7th Ave. W., Calgary, Alberta	Dulwich
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia ..	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, British Columbia ..	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Ave. D North, Saskatoon	Smiley and Eureka
Danzker & Associates	705 Childs Bldg., Winnipeg, Manitoba	Lloydminster
Devon-Palmer Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Dillman, L.	203 Brent Bldg., Regina	Kingsford
Dome Exploration (Western) Limited	528-9th Ave. W., Calgary, Alberta	Midale, Whiteside and Steelman
Elk Oils Ltd.	Box 188, Humboldt	McLaren
Excelsior Refineries Ltd.	222 Tegler Bldg., Edmonton, Alberta	Lloydminster
Fair Oil & Gas Ltd.	302 Northgate Bldg., Edmonton, Alberta	Lloydminster
Fargo Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Lloydminster, Cantuar and Lone Rock
Feldman, D.D., Oil & Gas	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Cantuar, Success and Gull Lake
Franco Castle No. 10 Well	976 Richards St., Vancouver 2, British Columbia	Lloydminster and Lone Rock
French Petroleum Co. of Canada Ltd.	718-8th Ave. W., Calgary, Alberta	Torquay
The Frontier Refining Co.	4040 East Louisiana Ave., Denver, Col., U.S.A. ..	Cantuar
High Crest Oils Ltd.	309-7th Ave. W., Calgary, Alberta	Arcola
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Midale, Weyburn, Success, Bone Creek, Coleville and Smiley
Husky Oil & Refining Ltd.	815-6th Ave. W., Calgary, Alberta	Lloydminster and Kindersley
Ibstone Petroleums Limited	Box 706, Saskatoon	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Various
Karels & Rennie	Swift Current	Lloydminster
Liberal Petroleums Ltd.	Box 638, Edmonton, Alberta	Lone-Rock
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Lloyd Rock Mingie	22 Roselawn Crescent, Mount Royal, Quebec	Marsden and Sparky
McAlester Canadian Oil Co.	Box 210, Magnolia	Weyburn

Crude Petroleum Producers, 1956 — Continued

Name	Address	Location of field
Saskatchewan — concluded:		
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Various
Medallion Petroleum Ltd.	512-4th Ave. W., Calgary, Alberta	Hastings
Medhurst & Coverdale	1134-8th Ave. W., Calgary, Alberta	Lloydminster
Millmak Co. Ltd.	152-1st Ave. S., Saskatoon	Coleville and Lloydminster
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary, Alberta	Various
Meyers, Henry	Box 666, Lloydminster	Marsden and Sparky
North American Chemicals Ltd.	818-8th Ave. W., Calgary, Alberta	Lloydminster and Dulwich
North Canadian Oils Ltd.	640-7th Ave. S.W., Calgary, Alberta	Dina and Marsden
Orecan Oil Ltd.	203 Brent Bldg., Regina	Kingsford
Placid Oil Company	418 Market St., Shreveport, Louisiana, U.S.A.	Nottingham
Quest Oil Syndicate	2313-25th Ave. N.W., Calgary, Alberta	Dulwich
Rex Oil & Development Co. Ltd.	705 Childs Bldg., Winnipeg, Manitoba	Dulwich
Richwell Petroleum Ltd.	10584-107th St., Edmonton, Alberta	Lloydminster
Rogers-Bailey Syndicate	North Battleford	Lloydminster
Ross, C.P.	Lloydminster	Lloydminster
Royalite Oil Company Limited	615-2nd Ave. W., Calgary, Alberta	Coleville, Smiley and Oxbow
Rutledge, Paul	Santa Fe, New Mexico, U.S.A.	Midale
Shell Oil Company	Box 100, Calgary, Alberta	Various
Sohio Petroleum Company	11th & Albert St., Regina	Various
Sun Oil Company	Drawer 39, Calgary, Alberta	Various
Tide Water Associated Oil Company	Royal Bank Bldg., Regina	Various
Trans Empire Oils Ltd.	627-8th Ave. W., Calgary, Alberta	Coleville and Smiley
Trans-Western Oils Ltd.	307-6th Ave., Calgary, Alberta	Lone Rock and Silverdale
Valentia Oil Corp. Ltd.	228 King St. E., Toronto, Ontario	Dulwich
West Canadian Petroleum Ltd.	505-8th Ave. W., Calgary, Alberta	Alida
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary, Alberta	North Premier
Western Households Ltd.	Bamlett Bldg., Calgary, Alberta	Midale
Whitehall Canadian Oils Ltd.	Can. Bk. of Commerce Bldg., Toronto, Ontario	Various
Woodley Canadian Oil Co.	Box 1403, Houston 1, Texas, U.S.A.	Baltrum
Yukon Oils Ltd.	10454-82nd Ave., Edmonton, Alberta	Lloydminster
Alberta:		
Ace Oils Ltd.	534-8th Ave. W., Calgary	Lloydminster, Saskatchewan
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Leduc-Woodbend and Acheson
Alberta Oil Incomes Limited	330-9th Ave. W., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Limited	302 Toronto General Trusts Bldg., Calgary ..	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	631-7th Ave. W., Calgary	Turner Valley
Amerada Petroleum Corporation	622-8th Ave. W., Calgary	Various
American Leduc Petroleum Ltd.	208 Baltzan, Edmonton	Various
American Northland Oil Co.	127 Montgomery St., San Francisco, U.S.A. ..	Wainwright
Amurex Oil Co.	703-5th St. W., Calgary	Various
Anglo-American Exploration Ltd. (1955) ..	326-9th Ave. W., Calgary	Stettler, Camrose and Drumheller
Arabee Oil & Gas Co. Ltd.	204-569 Howe St., Vancouver, British Colum- bia	Leduc-Woodbend
Argus Royalties Ltd.	631-7th Ave. W., Calgary	Turner Valley
Armisie Oil Co. Ltd.	10044-102nd St., Edmonton	Armisie
Arrow Oil Royalties Limited	408 Superior, Calgary	Turner Valley
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Leduc
Barons Oil Limited	200 Leeson-Lineham Blk., Calgary	Barons
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Joarcam
Big Five Petroleum Ltd.	Box 114, Edmonton	Leduc-Woodbend
Big West Development Co. Ltd.	239-8th Ave. W., Calgary	Wainwright
Blue Crown Petroleum	710-8th Ave. W., Calgary	Namao
Bonnyville Oil & Refining Corp.	1410 Stanley St., Montreal Quebec	Bonnyville
British American Oil Company Limited ¹ ..	Bay & College Sts., Toronto, Ontario	Various
British Colonial No. 1 Well	Pacific Bldg., Calgary	Turner Valley
British Petroleum Limited	404-6th Ave. W., Calgary	Leduc-Woodbend
California Standard Company	Medical Arts Bldg., Calgary	Taber, Conrad and Princess
Calvan Consolidated Oil & Gas Company Limited	Bamlett Bldg., Calgary	Various
Calwin-Royalties Limited	330-9th Ave., Calgary	Turner Valley
Campbell, R. & Associates	8424-109th St., Edmonton	Leduc-Woodbend
Canada-Cities Service Petroleum Corpor- ation	Bartlesville, Oklahoma, U.S.A.	North Pembina and Keystone
Canadian Atlantic Oil Company Ltd.	800 Pacific Bldg., Calgary	Leduc

1. Operated an absorption plant.

Crude Petroleum Producers, 1956 — Continued

Name	Address	Location of field
Alberta — continued:		
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary	Redwater Joarcam and Pembina
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Various
Canadian Emjay Petroleum Ltd.	611-7th Ave. W., Calgary	Three Hills
Canadian Export Gas Ltd.	203 Oil Exchange Calgary	Various
Canadian Fina Oil Limited	630-8th Ave. Calgary	Various
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary	Various
Canadian Oil Co. Ltd.	31-7 Ave. West	Various
Canadian Pipelines & Petroleum Ltd. ..	213-6th Ave. W., Calgary	Erskine and South Joarcam
Canadian Prospect Ltd.	203 Oil Exchange Bldg., Calgary	Fenn-Big Valley
Canadian Seaboard Oil Co.	Canadian Bank of Commerce Bldg., Calgary	Various
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary	Various
Can-Tex Drilling Co. Ltd.	239 6th Ave. Calgary	Bon Accord and Stettler
Castle Oil & Gas Ltd.	411-6th Ave. SW., Calgary	Leduc-Woodbend
Charter Oil Co. Ltd.	111 Petroleum Bldg., Calgary	Various
Christie, Mitchell & Mitchell Co.	320-7th Ave. SW., Calgary	South Chauvin and North Kitscoty
Cleary Oil Company Ltd.	309-7th Ave. W., Calgary	Battle South, Wainwright and Daly
Colorado Oil & Gas Corporation & Col- orado Oil & Gas Ltd.	Wales Hotel Bldg., Calgary	Various
Commoil Limited	534-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Petroleum Limited	534-8th Ave. W., Calgary	Turner Valley and Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia	Leduc-Woodbend
Consolidated Cordasun Oils Ltd.	239-6th Ave. W., Calgary	Stettler
Consolidated East Crest Oil Company Limited	735-8th Ave. W., Calgary	Turner Valley and Leduc-Woodbend
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Avenue D North Saskatoon, Sask.	Leduc-Woodbend
Cree Oil of Can. Ltd.	708-7th Ave. W., Calgary	Various
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Dalo Oil Company Ltd.	222 Tegler Bldg., Edmonton	Lloydminster
Daveroy Oil Co. Ltd.	Box 4432, Edmonton	Camrose
Dempsey Oils Limited	809 Centre St., Calgary	Leduc-Woodbend
Devon Palmer Oils Ltd.	320-7th Ave. W., Calgary	Chauvin and Red Coulee
Dome Exploration (Western) Ltd.	528-9th Ave. W., Calgary	Redwater, Drumheller, Armena
Dundee Oils Ltd.	10920-88th Ave., Edmonton	Leduc
Edmonton-Wainwright Oils Limited	8 McDougall Court, Edmonton	Wainwright
Eldon Royal American Model	201 Lancaster Bldg., Calgary	Legal
Excelsior Refineries Limited	222 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	631-7 Ave. W., Calgary	Turner Valley
Exterior Petroleum Limited	1676 Beverly	Lloydminster
Fair Oil & Gas Ltd.	302 Northgate Bldg., Edmonton	Wainwright
Federal Oils Syndicate	114-7th Ave. W., Calgary	Princess
Flamingo Oils Limited	402-100 Adelaide St. W., Toronto, Ontario ...	Various
Fliers Oil Ltd.	Municipal Airport, Edmonton	Leduc
French Petroleum Co. of Can. Ltd.	718-8th Ave. W., Calgary	Bonnie Glen
Glenphyll Petroleum Ltd.	Box 608, Drumheller	Grassy Lake
Godfrey-Lehman Lloydminster Syndicate	809 Centre St., Calgary	Silverdale
Golden Spike Western Petroleum Ltd. ..	809 Centre St., Calgary	Joarcam
Granville Oils Limited	534-8th Ave. W., Calgary	Turner Valley
Great Plain's Development Company of Canada Limited	528-9th Ave. W., Calgary	Drumheller, Leduc and Joffre
Guthrie Paul, Development Ltd.	9916-109 Street, Edmonton	Leduc and Woodbend
Hales Oil & Gas Limited	735-8th Ave. W., Calgary	Ellerslie
Hargal Oils Ltd.	800 Hall Bldg., Vancouver, British Columbia	Leduc-Woodbend
Harris Well No. 2	201 Lancaster Bldg., Calgary	Turner Valley
High Crest Oils Limited	309-7th Ave. W., Calgary	Campbell
Home Oil Company Limited	304-6th Ave. W., Calgary	Various
Hudson's Bay Oil & Gas Co., Ltd.	320 Seventh Ave. W., Calgary	Various
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Various
Ireton Petroleum Ltd.	5807-104th St., Edmonton	Redwater
Kali Ltd.	10920-88th Ave. W., Calgary	Leduc
Kamalta Well Operators Limited	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Ltd.	8424-109th St., Edmonton	Leduc-Woodbend
Keno Oils Limited	10920-88th Ave. Edmonton	Leduc
L.B. Oils Limited	Macdonald Hotel, Edmonton	Leduc and Woodbend
Leduc Calmar Oil Co. Ltd.	321A-7th Ave. SW., Calgary	Leduc
Legion Oils Ltd.	239-6th Ave. W., Calgary	Redwater
Liberal Petroleum Ltd.	Box 638, Edmonton	Blackfoot
Lloydminster Development Company Ltd.	Lloydminster 10920-88th Avenue	Leduc
Long Island Petroleum Ltd.	1116-85 Richmond St. W., Toronto	Manawan Lake

Crude Petroleum Producers, 1956 — Continued

Name	Address	Location of field
Alberta — continued:		
Luscar Coals Limited	10920-88th Ave., Edmonton	Pembina
Mac Oils Ltd.	11536 Jasper Ave., Edmonton	Various
Major National Oils Limited	306 Lancaster Bldg., Calgary	Turner Valley
Major Oil Investments Limited	306 Lancaster Bldg., Calgary	Turner Valley
Marjack Oils Limited	10920-88th Ave., Edmonton	Leduc
Maryland Petroleum Limited	306 Lancaster Bldg., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
Medallion Petroleum Ltd.	512-4 Ave. West., Calgary	Various
Melton Petroleum Limited	212 Barry Bldg., Edmonton	Leduc and Acheson
Merrill Petroleum Limited	510A-8th Ave. W., Calgary	Leduc
Metro Oil and Gas Co. Ltd.	224-9th Ave. W., Edmonton	Excelsior
Miracle Oils Limited	330-9th Ave. W., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils ...	330-9th Ave. W., Calgary	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
Montalao Oils Limited	505 Tegler Bldg., Edmonton	Barons
Morgro Oil Operators Limited	Peace River	Lloydminster
Nationwide Minerals Limited	129 Adelaide St. W., Toronto, Ontario	Lloydminster
New Concord Development Corp.	239-6th Ave. W., Calgary	Leduc and Camrose
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Superior Oils of Canada Limited	224-9th Ave. W., Calgary	Various
Northern Natural Gas Producing Co.	2223 Dodge St., Omaha 1, Neb.	Westward Ho
Northwell Operators Limited	631-7 Ave. W., Calgary	Various
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Various
Okalta Oils Limited	239-6th Ave. W., Calgary	Turner Valley and Leduc
Pacific Petroleum Limited	700 Petroleum Bldg., Calgary	Various
Pan American Petroleum Corp.	P.O. Box 591, Tulsa 2, Oklahoma	Various
Pan Western Oils Limited	940 Eighth Ave. W., Calgary	Leduc
Paulson Stanley M.	509 Third St. W., Calgary	Joffre
Petro-Uranium of Canada Limited	818-8th Ave., Calgary	Leduc
Phillips Petroleum Company	Bartlesville, Oklahoma, U.S.A.	Various
Placid Oil Company	418 Market St., Shreveport, Louisiana, U.S.A.	Lake St. Ann
Plymouth Oil Company	223-4th Ave., Pittsburgh, Pennsylvania, U.S.A.	Pembina
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary	Leduc and Wroinvile
Quintus Leaseholds Ltd. c/o Mitchell & Gray Ltd.	10920-88th Ave., Edmonton	Pembina
Redwater Water Disposal Co. Ltd.	10509-81 st. Ave., Edmonton	Redwater
Regal Royalties Ltd.	1742-10th Ave., Calgary	Turner Valley
Regent Refining (Canada) Ltd.	509-3rd St. W., Calgary	Leduc
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary	Turner Valley
Richfield Oil Corporation	555 South Flower St., Los Angeles 17, Col. ..	Bellshill and Eckville
Romac Oils Ltd.	10123-112th St., Edmonton	Pembina
Ross Petroleum Ltd.	10168-100th St., Edmonton	Leduc and Woodbend
Royal American Oil Co. Ltd.	201 Lancaster Bldg.	Leduc-Woodbend
Royal Canadian Oils Ltd.	980 West Pender St., Vancouver	Turner Valley
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	Royalite Bldg., Calgary	Turner Valley
Sage Oil Company Limited	10852-82nd Ave., Edmonton	Leduc-Woodbend
Sapphire Petroleum Limited	15 King St. E., Toronto, Ontario	Leduc
Sasko-Wainwright Oil & Gas	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	Box 287 Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Oils Limited	1134-8th Ave. W., Calgary	Various
Security Freehold Petroleum Limited	Nanton Bldg., Winnipeg, Manitoba	Leduc
Selbay Exploration Limited	901-8th Ave. W., Calgary	Joffre and Wainwright
Sharples Oil (Canada) Ltd.	406 Bank of Commerce Bldg., Calgary	Volmer
Shell Oil Co. of Canada Limited	Box 100, Calgary	Various
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Camrose and Pembina
Sovereign Royalties Limited	Box 130, Calgary	Turner Valley
Sparmac Petroleum Limited	708 Imperial Bk. Bldg., Edmonton	Ellerslie and South Joffre
Sprig Petroleum Limited	528-9th Ave. West, Calgary	Various
Stanolind Oil and Gas Company	308-9th Ave. W., Calgary	Various
Sturgeon Petroleum Ltd.	411-6th Ave. W., Calgary	Leduc-Woodbend
Sun Oil Company	P.O. Drawer 39, Calgary	Various
Taylor Petroleum Operators Limited	627-8th Ave. W., Calgary	Leduc Stettler and Campbell
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Trans-Canada Explorations Limited	10920-88th Ave., Edmonton	Pembina and Ewing Lake
Triad Oil Co. Ltd.	535 Seventh Ave. West., Calgary	Sturgeon Lake and Iroquois River
Twin Valley Oil Royalties Limited	408 Superior Ave., Calgary	Turner Valley
Union Oil Co. of California	709-8th Ave. W., Calgary	Fairydell

1. Operated an absorption plant.

Crude Petroleum Producers, 1956 — Concluded

Name	Address	Location of field
Alberta — concluded:		
United States Smelting Refining & Mining Co.	1002 Division St. Billings Mont.	Bindloss Field
Vanalta Limited	10920-88th Ave. Edmonton	Leduc
Vanlorne Oils Ltd.	10920-88th Ave. Edmonton	Leduc
Wain-Con Oils Limited	3008-13th Ave., Calgary	Wainwright
Wespac Petroleum Ltd.	735-8th Ave. W., Calgary	Whitemud
West Canadian Petroleum Ltd.	505-8th Ave. W., Calgary	Various
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Various
Western Naco Petroleum Ltd.	528-9th Ave. W., Calgary	Drumheller
Western Petroleum Operators Limited ...	306 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.	215A-10th St., Calgary	Leduc
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ontario	Leduc Alliance and Pembina
Widney Oil & Drilling Co. Ltd.	6328-104 St., Edmonton	Leduc-Woodbend
Winalta Royalties Limited	330-9th Ave., Calgary	Turner Valley
Yeske Petroleum Ltd.	210 Baltzan Bldg., Edmonton	Leduc-Woodbend
British Columbia:		
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary	Fort St. John
Texaco Exploration Co.	237-7 Ave. W., Calgary	Boundary Lake
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1955 amounted to 169,152,586 thousand cubic feet valued at \$16,849,556. These figures include the natural gas sold for domestic, industrial and other uses and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste and meter differences, was valued at a nominal wellhead price.

In Alberta, the Turner Valley field was the chief producer at 29,789,073 M cubic feet and the Viking-Kinsella field was next with 21,516,256 M cubic feet. Output increased in Saskatchewan to 9,807,697 M cubic feet and in Ontario to 12,811,618 M cubic feet and the production in New Brunswick

increased slightly. Commercial production in British Columbia amounted to 187,846 thousand cubic feet in 1956. Not included in these statistics were British Columbia's natural gas output of 168,651 M cubic feet valued at \$18,130 in 1955 and 60,883 M cubic feet worth \$6,545 in 1954.

Employed by the industry were 2,947 persons to whom \$10,617,695 were paid in salaries and wages. Fuel cost \$511,448 and 3,233,153 kwh. of electricity were purchased for \$63,614. Process supplies cost \$269,825.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry. Firms which did not have producing wells may not have been included in this compilation.

TABLE 21. Principal Statistics for the Natural Gas Industry¹, Significant Years, 1921-1956

Year	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ² value of production
	No.	No.	\$	\$	\$	\$	\$
1921	2,021	885	882,907	N.A.	N.A.	4,594,164	N.A.
1929	2,298	1,953	2,275,147	41,590	"	8,555,971	"
1931	2,444	1,692	2,072,022	26,921	"	8,232,822	"
1933	2,515	1,367	1,650,815	53,994	"	7,725,951	"
1937	3,268	2,028	2,488,125	75,690	23,190	9,037,326	8,938,446
1939	3,352	1,990	2,536,220	82,877	15,520	10,732,543	10,634,146
1941	3,424	2,161	2,841,795	103,229	4,975	11,223,103	11,114,899
1944	3,621	1,810	2,885,654	188,003	13,149	9,772,357	9,571,205
1946	3,825	1,655	2,491,361	226,980	21,457	10,588,175	10,339,738
1949	3,927	2,223	4,713,266	58,960	4,552	17,582,512	17,519,000
1950	3,991	2,618	5,703,524	130,504	55,676	6,444,215	6,258,035
1951	3,985	2,658	6,491,234	126,301	48,533	6,691,223	6,516,339
1952	4,122	2,573	7,296,092	95,722	240,944	5,854,051	5,517,385
1953	3,688	2,769	8,073,532	291,366	45,911	6,856,501	6,519,224
1954	3,572	2,887	8,864,662	287,009	75,395	8,286,809	7,930,405
1955	3,659	2,849	9,070,036	279,472	199,108	9,194,119	8,715,539
1956	3,484	2,947	10,617,695	575,062	269,825	9,273,891	8,429,004

1. See footnote to Table 22.

2. Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 22. Principal Statistics for the Natural Gas Industry¹, by Provinces, 1955 and 1956

Province	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ² value of production
	No.	No.	\$	\$	\$	\$	\$
1955							
New Brunswick	42	58	181,580	3,059	1,664	156,910	152,187
Ontario	3,280	1,540	4,970,836	75,088	128,000	4,341,143	4,138,055
Saskatchewan	18	16	51,468	1,827	—	121,399	119,572
Alberta	319	1,235	3,866,152	199,498	69,444	4,574,667	4,305,725
Canada	3,659	2,849	9,070,036	279,472	199,108	9,194,119	8,715,539
1956							
New Brunswick	45	63	204,811	6,422	2,659	163,633	154,552
Ontario	3,062	1,589	5,424,116	342,352	264,761	4,740,298	4,133,185
Saskatchewan	22	12	46,742	3,012	55	122,541	119,474
Alberta	355	1,283	4,942,026	223,276	2,350	4,247,419	4,021,793
Canada	3,484	2,947	10,617,695	575,062	269,825	9,273,891	8,429,004

1. Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

2. Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 23. Production of Natural Gas, 1947-1956

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1947	52,656,567	13,429,558	1952	88,686,465	9,517,638
1948	58,603,269	15,632,507	1953	100,985,923	10,877,017
1949	60,457,177	11,620,302	1954	120,735,214	12,482,109
1950	67,822,230	6,433,041	1955	150,772,312	15,098,508
1951	79,460,667	7,158,920	1956	169,152,586	16,849,556

TABLE 24. Production of Natural Gas, by Provinces, 1947-1956

Year	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	M cubic feet						
1947	489,810	7,785,921	274,193	44,106,643	—	—	52,656,567
1948	420,352	8,590,429	477,271	48,965,217	—	150,000	58,603,269
1949	375,035	8,024,213	812,916	51,179,779	—	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	—	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	—	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	—	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	—	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	—	29,085	120,735,214
1955	186,549	10,852,857	6,706,743	133,007,493	—	18,670	150,772,312
1956	190,322	12,811,618	9,807,697	146,133,893	187,846	21,210	169,152,586

TABLE 25. Production¹ of Natural Gas, by Provinces, 1955 and 1956

Province	1955		1956	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	186,549	138,450	190,322	141,315
Ontario	10,852,857	4,341,143	12,811,618	4,740,298
Saskatchewan	6,706,743	637,140	9,807,697	9,980,770
Alberta	133,007,493	9,975,562	146,133,893	10,960,042
British Columbia	—	—	187,846	20,193
Northwest Territories	18,670	6,213	21,210	6,938
Canada	150,772,312	15,098,508	169,152,586	16,849,556

1. Sold and used by producers.

TABLE 26. Production¹ of Natural Gas, by Months and by Provinces, 1956

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada ²
	M cu. ft.					
January	19,144	1,693,021	1,052,500	16,568,301	21,049	19,354,616
February	18,867	1,612,917	913,653	14,678,500	17,941	17,243,379
March	20,414	1,184,309	902,108	13,919,752	16,820	16,045,079
April	16,799	870,887	743,357	11,531,586	17,457	13,181,191
May	16,162	854,108	595,971	9,675,460	11,021	11,154,514
June	12,832	590,042	509,145	8,589,118	8,683	9,711,104
July	11,089	505,140	524,650	8,515,777	7,239	9,565,562
August	11,032	506,795	590,477	9,185,636	8,023	10,304,046
September	13,672	733,220	702,896	10,244,724	9,435	11,706,233
October	14,764	1,101,299	842,179	12,365,836	16,985	14,343,670
November	16,031	1,411,182	1,035,503	13,785,717	20,247	16,271,178
December	19,516	1,748,698	1,395,258	17,073,486	32,946	20,272,014
Total	190,322	12,811,618	9,807,697	146,133,893	187,846	169,152,586

1. Sales and consumption by producers.

2. Includes 21,210 M cu. ft. in the Northwest Territories.

TABLE 27. Production of Natural Gas in Alberta, by Fields, 1956

Field	M cu. ft.	Field	M cu. ft.
Acheson	1,219,131	Morinville	4,433,473
Bonnie Glen	7,695,331	Pakowki Lake	11,123,716
Bow Island	1,326,589	Turner Valley	29,789,073
Campbell	227,474	Red Water	808,963
Fenn-Big Valley	226,331	Viking-Kinsella	21,516,256
Golden Spike	2,805,111	Westerose	1,258,432
Jumping Pound	17,128,767	Other fields	23,077,408
Leduc-Woodbend	13,691,054		
Medicine Hat	9,806,784	Total Alberta	146,133,893

Note: Does not include waste gas and meter differences in the field amounting to 54 million M cu. ft. in 1956.

TABLE 28. Production of Natural Gas in Ontario, by Fields, 1955 and 1956

County	Field	Producing Formation	1956 M cu. ft.
Brant	Brant	Clinton, Whirlpool	13,326
Elgin East	Bayham	Clinton	17,150
Essex	Staples	Guelph	26,148
	Kingsville-Leamington	Guelph	7,820
Halton	Acton	Black River	1,422
Haldimand	Haldimand	Clinton Grimsby Whirlpool	1,488,800
Lincoln			
Wentworth			
Kent			
	Camden Gore	Salina	42,584
	Chatham	Salina Guelph	75,316
	Declute	Salina Guelph	100,621
	Dover	Trenton	76,140
	Wolfe and Guilds	Salina	14,469
	Morpeth	Salina	654,296
	Tilbury	Salina Guelph	2,246,837
	Zone	Salina Guelph	142,796
Lambton	East Becher	Guelph	41,930
	West Becher	Salina Guelph	23,220
	Bickford	Salina Guelph	461,476
	Colinville	Salina Guelph	411,204
	Corunna	Salina Guelph	222,341
	Dawn	Salina Guelph	62,954
	East Kimball	Salina	31,066
	West Kimball	Salina Guelph	1,470,964
	Payne	Salina Guelph	1,592,449
	Seckerton	Salina Guelph	603,081
	Sombra	Guelph	96,800
	Moore	Salina Guelph	233
	Waubuno	Salina Guelph	1,074,255
Middlesex and Elgin	Mosald	Salina	333,584
Norfolk	Norfolk	Clinton, Grimsby	1,000,745
Oxford	Brownsville	Guelph	16,819
	Norwich South	Clinton	30,541
Welland	Welland	Clinton Grimsby Thorold Whirlpool	430,231
Total Ontario			12,811,618

TABLE 29. Number of Gas Wells, by Provinces, 1954-1956

		New Brunswick	Ontario	Saskatchewan	Alberta	Canada
		Number				
Productive wells at beginning of year	1954	39	3,377	7	252	3,675
	1955	44	3,211	12	294	3,561
	1956	42	3,280	17 ¹	331 ¹	3,670 ¹
Number of productive wells drilled	1954	—	160	5	33	198
	1955	—	144	2	14	160
	1956	3	157	1	23	184
Number of dry wells drilled	1954	—	—	1	4	5
	1955	1	195	4	15	215
	1956	—	217	4	8	229
Number of wells abandoned	1954	—	167	—	5	172
	1955	2	287	—	7	296
	1956	1	147	—	8	156
Productive wells at end of year	1954	44	3,211	12	294	3,561
	1955	42	3,280	14	301	3,637
	1956	44	3,062	18	346	3,470

1. Adjusted.

TABLE 30. Natural Gas Pipeline Mileage, 1955 and 1956

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1955	1956	1955	1956	1955	1956	1955	1956
New Brunswick	20	20	65	65	37	36	73	73
Ontario	2,380	not available	4,336	not available	5,147	not available	5,660	not available
Saskatchewan	53	73	27	44	68	90	23	35
Alberta	1,542	1,887	1,601	1,744	4,405	5,037	2,060	2,180
Canada	3,995	not available	6,029	not available	9,657	not available	7,816	not available

1. Includes some pipeline owned by distributing firms.

TABLE 31. Sales¹ of Manufactured and Natural Gas, 1955 and 1956

	1955			1956		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas:						
Domestic	371,784	9,827,609	11,649,179	356,919	10,433,955	11,848,348
House heating	3,697	1,173,476	970,124	2,831	1,179,208	967,933
Industrial	4,496	3,157,645	2,678,803	5,390	3,560,939	3,072,949
Commercial	26,424	4,741,862	4,868,019	23,456	4,779,473	4,755,795
Miscellaneous	120	36,995	92,651	8	84,768	38,306
Total	406,521	18,937,587	20,258,776	388,604	20,038,343	20,683,331
Natural gas:						
Domestic	447,311	45,266,229	34,109,275	474,279	52,039,471	39,492,230
Industrial	3,561	48,698,773	10,814,233	3,498	65,631,233	13,615,357
Commercial	32,950	23,325,131	10,125,709	35,879	25,897,786	11,445,054
Miscellaneous	484	510,178	132,262	506	157,159	99,817
Total	484,306	117,800,311	55,181,479	514,162	143,725,649	64,652,458
Total — all gas	890,827	136,737,898	75,440,255	902,766	163,763,992	85,335,789

1. Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 32. Sales¹ of Natural Gas, by Areas, 1955 and 1956

	1955		1956	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M cu. ft.	\$	M cu. ft.	\$
Eastern Canada				
Domestic	14,265,129	21,858,824	17,953,146	25,615,526
Industrial	3,437,608	4,477,053	5,085,960	5,266,170
Commercial	2,684,689	4,155,661	3,546,671	4,984,051
Miscellaneous ²	74,882	61,268	84,400	81,925
Total	20,462,308	30,552,806	26,670,177	35,947,672
Western Canada				
Domestic	31,001,100	12,250,451	34,086,325	13,876,704
Industrial	45,261,165	6,337,180	60,545,273	8,349,187
Commercial	20,640,442	5,970,048	22,351,115	6,461,003
Miscellaneous ²	435,296	70,994	72,759	17,892
Total	97,338,003	24,628,673	117,055,472	28,704,786
Canada — Total				
Domestic	45,266,229	34,109,275	52,039,471	39,492,230
Industrial	48,698,773	10,814,233	65,631,233	13,615,357
Commercial	23,325,131	10,125,709	25,897,786	11,445,054
Miscellaneous ²	510,178	132,262	157,159	99,817
Total	117,800,311	55,181,479	143,725,649	64,652,458

1. See footnote to Table 31.

2. Includes some free customers.

TABLE 33. Employees and Their Earnings in the Natural Gas Industry, 1955 and 1956

	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
						\$	\$	\$
1955								
New Brunswick	—	—	57	1	58	—	181,580	181,580
Ontario	226	195	1,119	—	1,540	1,427,727	3,543,109	4,970,836
Saskatchewan	4	3	9	—	16	29,225	22,243	51,468
Alberta	187	55	964	29	1,235	887,355	2,978,797	3,866,152
Canada	417	253	2,149	30	2,849	2,344,307	6,725,729	9,070,036
1956								
New Brunswick	—	—	62	1	63	—	204,811	204,811
Ontario	204	179	1,206	—	1,589	1,364,501	4,059,615	5,424,116
Saskatchewan	5	—	7	—	12	26,951	19,791	46,742
Alberta	161	53	1,032	37	1,283	851,708	4,090,318	4,942,026
Canada	370	232	2,307	38	2,947	2,243,160	8,374,535	10,617,695

TABLE 34. Number of Workmen in the Natural Gas Industry, by Months, 1955 and 1956
(On the last work-day of each month)

Month	1955			1956		
	Male	Female	Total	Male	Female	Total
January	1,577	22	1,699	1,705	26	1,731
February	1,592	23	1,615	1,639	26	1,665
March	1,608	26	1,634	1,644	26	1,670
April	1,814	27	1,841	1,963	26	1,989
May	2,355	32	2,387	2,539	36	2,575
June	2,526	37	2,563	2,735	47	2,782
July	2,526	41	2,567	2,840	53	2,893
August	2,500	34	2,534	2,801	53	2,854
September	2,461	33	2,494	2,731	48	2,779
October	2,396	27	2,423	2,631	46	2,677
November	2,163	29	2,192	2,407	37	2,444
December	1,945	26	1,971	1,783	36	1,819
Average	2,149	30	2,179	2,307	38	2,345
Man-hours worked			4,438,685			4,598,078

TABLE 35. Employees and Their Earnings in the Natural Gas Industry, 1952-1956

Year	Number of employees					Number of man-nours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
							\$	\$	\$
1952	412	236	1,895	30	2,573	5,807,212	1,960,862	5,335,230	7,296,092
1953	449	271	2,016	33	2,769	6,079,939	2,129,758	5,943,774	8,073,532
1954	429	259	2,161	38	2,887	6,762,532	2,038,847	6,825,815	8,864,662
1955	417	253	2,149	30	2,849	6,167,918	2,344,307	6,725,729	9,070,036
1956	370	232	2,307	38	2,947	6,083,645	2,243,160	8,374,535	10,617,695

Note. Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 36. Fuel and Electricity Used in the Natural Gas Industry, 1956

Kind	Unit of measure	Quantity	Cost at plant
Bituminous coal (A) From Canadian Mines	Short ton	—	—
(b) Imported	"	—	—
Sub-bituminous coal (from Alberta mines only)	"	—	—
Anthracite coal	"	—	—
Lignite coal	"	1,800	4,680
Coke (for fuel only)	"	—	—
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal.	1,129,640	416,334
Kerosene or coal oil	"	29,648	7,009
Fuel oil	"	29,580	5,397
Wood (cords of 128 cubic feet of piled wood)	cord	—	—
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gas.	16,950	2,710
(b) Other manufactured gas	M cu. ft.	—	—
(c) Natural gas	"	467,339	75,318
Other fuel	—	—	—
Electricity purchased for power and lighting	k.w.h.	3,233,153	63,614
Electricity purchased for other purposes	"	—	—
Total (cost only) .....		...	575,062
Electricity generated (a) For own use	k.w.h.	657,000	...
(b) For sale	"	—	—

Directory of Firms in the Natural Gas Industry, 1956

1. Distributing only. 3. Drilling only.
2. Drilling and producing. 4. Using or selling gas from absorption plant.

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
Anchor Petroleums Ltd.	62 Richmond St. W., Toronto.	Aldborough, Mosa
Anthony Gas & Oil Exploration Co. Ltd.	191 Mill St., Acton	Esquising and Guelph Twps
Barnhart, & Mrs. E.	Stevensville	Bertie
Bates, Norman	Port Colborne	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	Humberstone
Beacon Syndicate	Fort Erie	
Beaver Oil & Gas Syndicate	25 Highland Ave., Ridgway	Bertie
Benner, Alvin and Jack	Sherkston	Humberstone
Benner, K.W.	Fisherville	Rainham
Bertie Township Gas & Oil Syndicate	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Bluewater Oil & Gas Ltd.	Room 312, Dundee Bldg., London	Morpeth and Bayfield
Bolivar Gas Company	385 Main St., Bolivar, N.Y., U.S.A.	Walsingham North
Booth, A.E. Mrs.	Niagara Falls, U.S.A.	Willoughby and Bertie
Bova Gas & Development Co. Ltd.	1718 Hotel Statler, Buffalo, N.Y., U.S.A.	Walsingham South
Boyers Creek Gas Syndicate	Chippawa	Willoughby
Britco Oils Limited	418-73 Adelaide St., Toronto	Tilbury East
Buck, J.L.	Port Rowan	Walsingham South
Campbell, L.G.	Kingsville	Gosfield South
Canfield Natural Gas Company Limited ...	Dunnville	Cayuga North
Caughell Bros.	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Senaca Gas Syndicate	Cayuga	Senaca
Chambers, H.C.	Sherkston	Humberstone
City Gas Co. of London ¹	215 Dundas St., London	Bertie
Colborne Natural Gas Co.	201 Lexington Ave., Buffalo, N.Y. U.S.A.	
Colonial Petroleums Ltd.	52 Victoria Ave., Chatham	Dawn
Comfort, N.	Chatham	Raleigh and Tilbury
Consolidated West Petroleum Limited	19 Melinda St., Toronto	Romney
Consumers Gas Co. of Toronto ¹	19 Toronto St., Toronto 13.	Oshawa, Whitby and Bowmanville
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Cummings, H., & Sons	York	Senaca
D. & M. Syndicate	Fort Erie	Bertie
Daering Explorers Corp., Ltd.	62 Richmond St., W., Toronto	Aldborough, Mosa
Daubarie, A. ²	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Syndicate	Box 141, Ridgeway Ont.	Bertie
Dell-Burn Gas Limited ²	Box 105 Dunnville	Various
Dennis, G.A. & Sons ²	R.R. 1, Selkirk	Walpole
Deshaies, M.	Stevensville	Humberstone
Dickout Bros.	Lowbanks	Moulton
Dickson & Mercer	Hagersville	Oneida
Dominion Natural Gas Company, Limited ² ..	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Various
Donolga Company	Simcoe	Norfolk, Langton Field, Walsingham
Earleeejune Fish Co.	Port Maitland	Dunn
Edmund Gas Syndicate	Port Colborne	Humberstone
Emerson, H.L.	Dunnville	Moulton, Canboro, and Wainfleet
Falls View Gas Syndicate	Fort Erie	Stamford
Fisherville Gas Co.	Fisherville	Rainham
Fletcher, Eva	Glanford Station	Binbrook
Fox, E.S.	Welland	Thorold
George, Mrs. A.	7 Thompson Rd., Fort Erie	Bertie
George, F.	411 Niagara Blvd., Fort Erie	Bertie
Glenard Ltd.	Dunnville	Woodhouse, Townsend, Windham, Walsingham South and Walpole
Grand Gas Co.	Box 524 Dunnville	Moulton
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited ...	Grimsby	Caistor, Gainsboro and Canboro
Haidon & MacDonald	Chippawa	Willoughby
Haidon, L. & P.	Chippawa c/o Royal Bank	Willoughby
Haldimand Gas Syndicate	Cayuga	Various
Haldimand Natural Gas Syndicate	Stevensville	Bertie

Directory of Firms in the Natural Gas Industry, 1956 - Continued

Name	Address	Location of field
Ontario - Continued:		
Heise & Marton Gas Syndicate	14 Church St., Welland	Welland
Hercules Gas & Oil Syndicate	368 Ridge St., Ridgeway	Moulton
Highbank Oil Limited	62 King St. W., Chatham	Raleigh
Houk Syndicate	Guaranty Trust, Niagara Falls	Bertie
House, C.C. Estate of	Stevensville	Bertie
Huron Petroleum Co.	125 Keil Dr., Chatham	Howard Twp
Imperial Oil Ltd.	340 Saskatoon St., London	Various
J. & J. Gas Co.	211 George St., Dunnville	Dunn
Jackson, P.L. ²	211 George St., Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn and Cayuga South
Jarvis Hereford Farms	Jarvis Ont.	Walpole and Haldemand
Kendall R.A.	201 Lexington Ave., Buffalo, N.Y. U.S.A.	Townsend Twp
Kin-Mar Gas Syndicate ²	171 Garrison Rd., Fort Erie	Bertie and Willoughby
Kinsey, L. & O.	Box 389, Dunnville	Sherbrooke
Lakeshore Gas Co.	123 McNab St., Hamilton	Dunn
Lake Shore Gas & Oil Syndicate	368 Ridge St., Ridgeway	Bertie
Lake Shore Gas Company	20 Duke St., Hamilton	Dunn
Lapp & Arendt	Stevensville	Bertie
Lapp Estate	921 Ontario Ave., Niagara Falls	Bertie
Lejeune, Louis F.	Fort Erie	Bertie
Lincoln Natural Gas Co. Ltd.	Dunnville	Caistor, Moulton, Gainsboro and Wainfleet
Linda Lee Syndicate	Box 386, Ridgeway	Bertie
Lymburner Bros. and Webber	Dunnville	Cayuga North, Rainham and Walpole
M. M. T. Syndicate	Fort Erie	Humberstone
MacAnn Wall Prospecting Syndicate	Fort Erie	Bertie
MacIntyre & Hawkins	26 Wintemute, Fort Erie	Humberstone
Maguire, J.	Clifford	Walpole and Woodhouse
Manock Gas Syndicate	50 Jarvis St., Fort Erie	Willoughby
McKechnie, S., Estate	Dunnville	Walpole
Medina Gas Syndicate	Welland	Crowland and Humberstone
Mehlenbacher, L.B., Gas Syndicate	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul	379 Niagara Blvd., Fort Erie	Willoughby
Minor & Luck	18 Worsley St., Barrie	Sherbrooke
Mitchell, S.T.	Dunnville	Dunn
Mohawk Gas & Oil Syndicate Limited	88 Wentworth S., Hamilton	Dunn
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Morningstar, Roy	Ridgeway	Bertie
Mulgrave Gas Syndicate	Stevensville	Bertie
Murdoch, Watson W.	R.R. 9, Dunnville	Dunn
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Nevada Gas Syndicate	Fort Erie	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece Wilbert & Lyle	Dunnville	Sherbrooke
Nigh, Carl	Stevensville	Willoughby
Norotto Gas Company Limited ¹	Norwich	Various
North Cayuga Gas Syndicate	46 King St. E., Hamilton	Cayuga North
North Shore Gas Co.	Selkirk	Rainham
Noyes, L.A., Estate	Stevensville	Willoughby
Nycan Gas Co.	100 Webster St. N., Tonawanda N.Y.	Middleton
Palco, J., & E. Marr	Wainfleet	Wainfleet
Patterson & Culver	Box 92 Dunnville	Dunnville and Humberstone
Pattinson, E.	Box 126 Aylmer, Ont.	Dover
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
W. L. Pearson, Intrust.	R.R. 4, Welland	Crowland
Pegg L., & Associates	Morpeth	Morpeth
Pegg Enterprises Ltd.	R.R. 1, Morpeth Ont.	Morpeth
Petrol Oil & Gas Co. Ltd.	Ohswéken, Ont.	Oneida, and Tuscarora
Port Colborne-Welland Natural Gas & Oil Co.	53 Argyle St., Caledonia	Senaca, Cayuga North, Oneida and Onondaga
Prairie Gas & Oil Co. Limited	170 Bay St., Toronto 1	Dover
Provincial Gas Company Limited	26 Jarvis St., Fort Erie	Humberstone, Willoughby, Bertie
Pure Gas & Oil Co. Ltd. ¹	Aylmer, Ont.	Crowland and Wainfleet
Queenston Gas & Oil Co. Ltd.	80 Jarvis St., Fort Erie	Walsingham South, Oneida, Woodhouse and Regal
Rae, Robert	1678 Kister Rd., Niagara Falls	Humberstone
Raydis Oil & Gas Company Limited	118 King St. W., Chatham	Townsend
Richmount Developments Ltd.	368 Ridge St., Ridgeway	Bertie, Willoughby and Humberstone
Riddell & Meyer Syndicate	379 Niagara Blvd., Fort Erie	Bertie

Directory of Firms in the Natural Gas Industry, 1956 — Continued

Name	Address	Location of field
Ontario — Concluded		
Riverside Syndicate	113 A Helles Ave., Welland	Welland
Rocks Mills Gas & Oil Co.	601 Huron & Erie Bldg., London	Norwich South
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Frank Estate	Ridgeway	Bertie and Humberstone
Round, Mrs. J.S.	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruch, K.C.	Stevensville	Bertie
Ruegg, Gas	Ridgeway	Bertie
Ruiter, T.	Port Colborne	Humberstone
Shank & Snively	Port Dover	Oneida
Sherbrook Gas Syndicate	Dunnville	Sherbrooke
Sherk & Carrothers	Sherkston	Humberstone
Sherk, Bert	Stevensville	Bertie
Sherkston Gas Syndicate	Sherkston	Humberstone and Bertie
Shurr, Ivan	Cayuga	Rainham
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Bertie and Humberstone
Sider, Ralph ²	Ridgeway	Moulton and Bertie
Simon, B.	Chippawa	Willoughby
Smith & Ehde	Lowbanks	Moulton and Dunn
Sodom, L. & A. Syndicate	Ridgeway	Willoughby
Southern, J.	Sarnia	Crowland
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Star Gas Syndicate	Ridgeway	Crowland, Humberstone and Bertie
Steele, K.	Port Colborne	Humberstone
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin ²	Jarvis	Woodhouse
Sunnyside Gas Syndicate	Welland Junction	Humberstone
Swayze, H.	Hagersville	Oneida
T. H. & G. Syndicate	Fort Erie	Bertie
Tanke, E.	16 Irving Place, Buffalo, N.Y., U.S.A.	Welland and Willoughby
Tri-County Gas & Oil Co. Ltd.	Norwich	Norwich South
Trio Gas Company	Dunnville	Canboro
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited ...	Chatham	Various
United Development Co. ¹	Aylmer Ont.	
United Gas & Fuel Co. of Hamilton ¹	82 King St. E., Hamilton	
United Suburban Gas, Co., Ltd. ¹	82 King St. E., Hamilton	
Valencourt Gas Syndicate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Wale, H.	Stevensville	Humberstone
Walpole Gas Syndicate	Cayuga	Walpole
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Weaver, Frank	Port Colborne	Humberstone
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
Wilkinson Gas Syndicate	Fort Erie	Thorold
Willick, J.S.	Stevensville	Willoughby
Saskatchewan:		
Amurex Oil Co.	703 Fifth St. W., Calgary, Alberta	Hatton, Midale and Weyburn
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary, Alberta	Gull Lake
Bata Petroleums Ltd.	Unity Saskatchewan	Unity
Beaver State Wilrich Excelsior Ltd.	222 Tegler Building, Edmonton	Lloydminster
Canso Natural Gas Ltd.	940-8th Ave. W., Calgary, Alberta	Coleville and Smiley
Christie Mitchell & Mitchell Co.	320 Seventh Ave. W., Calgary, Alberta	Dulwich
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Excelsior Refineries Ltd.	222 Tegler Building, Edmonton, Alberta ..	Lloydminster
Fargo Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Lloydminster, Cantuar, Lone Rock
Feldman, D.D., Oil & Gas	3200 Republic Bank Bldg., Dallas, Texas, U.S.A.	Cantuar, Success and Gull Lake
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary, Alberta	Lloydminster, Kindersley and Midale
Ibstone Petroleums Ltd.	Box 706, Saskatoon	Lloydminster
Imperial Oil Ltd.	56 Church St., Toronto	Various
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
McAlester Canadian Oil Co.	P.O. Box 210, Magnolia Ark.	Weyburn
Millmak Co. Ltd.	152-1st Ave. S., Saskatoon	Coleville and Lloydminster
Mobil Oil of Canada Ltd.	Mobil Oil Co., Calgary, Alberta	Various
Placid Oil Co.	418 Market St., Shreveport, Louisiana	Nottingham
Lone Rock Gas Company	Lloydminster	Lone Rock
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Coleville
Trans Empire Oils Ltd.	627-8th Ave. W., Calgary, Alberta	Various
Whitehall Canadian Oils Ltd.	Can. Bank of Commerce Bldg, Toronto	Various

Directory of Firms in the Natural Gas Industry, 1956 - Continued

Name	Address	Location of field
Alberta:		
Ace Oils Ltd.	534-8th Ave. W., Calgary	Lloydminster
Ajax Petroleum Ltd.	330-9th Ave., Calgary	Morinville
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	330-9th Ave. W., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Amalgamated Oils Limited	631-7th Ave. W., Calgary	Turner Valley
Amerada Petroleum Corporation	622-8th Ave. W., Calgary	Various
American Leduc Petroleum Ltd.	208 Baltzan Bldg., Edmonton	Leduc and Bashaw
Amurex Oil Company	703-5th St. W., Calgary	Various
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary	Camrose, Drumheller and Leduc
Argus Royalties Limited	631-7th Ave. W., Calgary	Turner Valley
Arrow Oil Royalties Limited	408 Superior, Calgary	Turner Valley
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Joarcam
Big Five Petroleum	201 Lancaster Bldg., Calgary	Leduc and Woodbend
Bonnyville Gas Company Limited	1410 Stanley St., Montreal, Que.	Bonnyville
British American Oil Company Limited ⁴	Royal Bank Bldg., Toronto, Ontario	Various
California Standard Co.	Medical Arts Bldg., Calgary	Various
Calvan Consolidated Oil & Gas Co.	Bamlett Bldg., Calgary	Various
Calwin Royalties Limited	330-9th Ave. W., Calgary	Turner Valley
Campbell, R. & Associates	8424-109th St., Edmonton	Leduc and Woodbend
Canadian Atlantic Oil Co. Ltd.	800 Pacific Bldg., Calgary	Leduc
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Picardville
Canadian-Montana Gas Co., Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte, Pendant d'Oreille, and Smith Coulee
Canadian Pacific Railway Co.	Montreal, Quebec	Medicine Hat
Canadian Seaboard Oil Co.	Canadian Bank of Commerce, Calgary	Various
Canadian Western Natural Gas Company Limited	140-6th Ave. W., Calgary	Brooks, Bow Island and Foremost
Canadian Western Power & Fuel Co. Ltd.	Redcliff	Redcliff
Castle Oil & Gas Limited	411-6th Ave. S.W., Calgary	Leduc and Woodbend
Christie, Mitchell & Mitchell Co.	320-7th Ave. S.W., Calgary	South Chauvin and North Kitscoty
Commoil Limited	534-8th Ave. W., Calgary	Turner Valley
Consolidated East Crest Oil Co. Ltd.	735-8th Ave. W., Calgary	Turner Valley, Leduc and Woodbend
Consumer's Co-Operative Refineries Ltd.	211 Avenue D, North, Saskatoon	Leduc and Woodbend
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Daveray Oil Co. Ltd.	Box 4432, Edmonton	Joarcam
Department of National Defence Research Board	Ralston	Suffield and Wildcat
Dalhousie Oil Co. Ltd.	35 Dominion Bank Chambers, Edmonton ..	Turner Valley
Dominion Glass Company Limited	1111 Beaver Hall Hill, Montreal, Quebec ..	Medicine Hat
Edmonton Wainwright Oils Ltd.	8 McDougall Court, Edmonton	Wainwright
Elk Point Gas Co. Ltd.	Elk Point	Elk Point
Excelsior Refineries Limited	227 Tegler Bldg., Edmonton	Lloydminster
Extension Oil Royalties Limited	631-7th Ave. W., Calgary	Turner Valley
Federated Petroleum Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
French Petroleum Co. of Canada Ltd.	718-8th Ave. W., Calgary	Bonnie Glen
Godfrey Lehman Lloydminster Syndicate ..	809 Centre St., Calgary	Silverdale
Granville Oils Limited	534-8th Ave. W., Calgary	Turner Valley
Hargal Oils Limited	800 Hall Building, Vancouver	Leduc and Woodbend
Harris No. 2	201 Lancaster Bldg., Calgary	Turner Valley
Hewitt Oil Co.	Lancaster Bldg., Calgary	St. Albert
Home Oil Co. Ltd.	304-6th Avenue West	Alberta
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary	Various
Husky Oil & Refining Ltd.	815-6th St. W., Calgary	Various
Imperial Oil Limited	56 Church St. Toronto	Various
Inland Gas & Oil Co. Ltd.	36 Dominion Bank Chambers, Edmonton ..	Viking
Lloydminster Development Co. Ltd.	Lloydminster	Lloydminster
Mac Oils Limited	11536 Jasper Ave., Edmonton	Various
Major Oil Investments Limited	306 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Ltd.	44 Eglinton Ave., Toronto	Medicine Hat
Marjack Oils Ltd.	10920-88th Ave. Edmonton	Leduc
Mc Conset Leduc Syndicate	302-Toronto General Trusts Bldg.	Leduc and Woodbend
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 100, Medicine Hat	Medicine Hat
Merrill Petroleum Ltd.	510A-8th Ave. W., Calgary	Leduc and Brooks
Mid-Western Industrial Gas Ltd.	10167-99th St., Edmonton	Fort Saskatchewan
Miracle Oils Limited	330-9th Ave. W., Calgary	Turner Valley
Miracle Royalties & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
New Continental Oil Co. of Canada Ltd. ..	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Superior Oils of Canada Limited	224-9th Ave. W., Calgary	Various
Northwell Operators Limited	631-7th Ave. W., Calgary	Various
Northwestern Utilities Limited	10124-104 St., Edmonton	Viking-Kinsella

Directory of Firms in the Natural Gas Industry, 1956 — Concluded

Name	Address	Location of field
Alberta — Concluded		
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Quebec	Medicine Hat
Okalta Oils Limited	239-6th Ave. W., Calgary	Turner Valley and Leduc
Pacific Petroleum Ltd.	800 Petroleum Bldg., Calgary	Various
Pan Western Oils Ltd.	940-8th Ave. W., Calgary	Leduc
Perry Brick & Tile Co. Ltd.	Redcliff	Medicine Hat
Petro-Uranium of Canada Ltd.	818-8th Ave. W., Calgary	Leduc
Redcliff Pressed Brick Co., Ltd.	Redcliff	Medicine Hat
Redwater Oils Ltd.	Michael Bldg., Calgary	Viking
Regal Royalties Ltd.	1742-10th Ave. S.W., Calgary	Turner Valley
Renown Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model No. 2	201 Lancaster Bldg., Calgary	Turner Valley
Richfield Oil Corp.	555 South Flower St. Los Angeles 17. Cal.	Bellshill Eckville
Ross Petroleum Ltd.	10168-100th St., Edmonton	Leduc and Woodbend
Royal American Oil Co. Ltd.	201 Lancaster Bldg., Calgary	Leduc and Woodbend
Royal Canadian Ventures Ltd.	980 West Pender St. Vancouver	Turner Valley
Royalite Oil Company Limited ⁴	606-2nd St. W., Calgary	Turner Valley
Scurry Oils Limited	1134-8th Ave. W., Calgary	Various
Shaw, R.	Lloydminster	Lloydminster
Shell Oil Co. of Canada Ltd.	Box 100, Calgary	Various
Sinclair Canada Oil Company	Tulsa, Oklahoma, U.S.A.	Various
Sovereign Royalties Ltd.	Box 130, Calgary	Turner Valley
Stanolind Oil & Gas Company	308-9th Ave. W., Calgary	Bonnie Glen
Suffield Gas Supply	Suffield	Suffield
Sun Oil Company	Drawer 39, Calgary	Bonnie Glen
Taylor Petroleum Operators Ltd.	627-8th Ave. W., Calgary	Campbell, Leduc and Stettler
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Tilley Gas Co. Ltd.	Tilley	Tilley
Twin Valley Oil Royalties Ltd.	408 Superior Ave., Calgary	Turner Valley
Vanalta Ltd.	10920-88th Ave., Edmonton	Leduc
Western Leaseholds Ltd.	Bamlett Bldg., Calgary	Redwater
Western Petroleum Operators Limited	306 Lancaster Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc, Pembina and Alliance
Widney Oil & Drilling Co. Ltd.	6328-104 St., Calgary	Leduc and Woodbend
Winalta Royalties Limited	330-9th Ave. W., Calgary	Turner Valley
Yeske Petroleum Limited	210 Baltzan Bldg., Edmonton	Leduc and Woodbend
York Oils Ltd.	232 Lougheed Bldg., Calgary	Turner Valley
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ontario	Fort Norman

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CANADA

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1957

Published by Authority of

The Honourable Gordon Churchill, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS

Industry and Merchandising Division

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Vol. 1—Part I—I-1

NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: **Volume I** — The Primary Industries, including mining, forestry and fisheries; **Volume II** — Manufacturing; **Volume III** — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries which they comprise.

Volume I consists of the following parts:

- Part I — Mineral Statistics
- Part II — Forestry Statistics — Operations in the Woods
- Part III — Fisheries Statistics

Part I includes the following reports which constitute the complete series on Mineral Statistics of Canada. Individual reports are issued as the information becomes available; they are arranged in a form suitable for binding.

- A — General Review of the Mining Industry
- B — The Gold Mining Industry
- C — The Silver-Lead-Zinc Mining Industry
- D — The Nickel-Copper Mining, Smelting and Refining Industry
- E — The Iron Mining Industry
- F — The Miscellaneous Metal Mining Industry
- G — The Smelting and Refining Industry
- H — The Coal Mining Industry
- I — The Crude Petroleum and Natural Gas Industry
- J — The Asbestos Mining Industry
- K — The Feldspar and Quartz Mining Industry
- L — The Gypsum Industry
- M — The Peat Industry
- N — The Salt Industry
- O — The Talc and Soapstone Industry
- P — The Miscellaneous Non-metal Mining Industry
- Q — The Cement Manufacturing Industry
- R — The Clay and Clay Products Industry
- S — The Lime Industry
- T — The Sand and Gravel Industry
- U — The Stone Industry
- V — Contract Drilling in the Mining Industry

Prices of most reports released after January 1, 1959 have been increased. Information on the new prices of particular issues is available on request from the Information Services Division of the Dominion Bureau of Statistics.

SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. Not available
- ... Not applicable
- Nil

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1957

(a) THE CRUDE PETROLEUM INDUSTRY

During 1957 the production of crude petroleum in Canada amounted to 181,848,004 barrels valued at \$453,593,620 compared with 171,981,413 barrels valued at \$406,561,872 in 1956.

Alberta wells produced 78.4 per cent of the Canadian crude oil. The oil fields in Alberta which produced in excess of 2 million barrels were Acheson, Bonnie Glen, Fenn-Big Valley, Golden Spike Joarcam, Joffre, Leduc-Woodbend, Pembina, Redwater, Stettler, Sturgeon Lake South, and Wizard Lake.

The Saskatchewan wells produced 36,861,089 barrels in 1957 an increase of 75 per cent from the 21,077,371 barrels produced in the preceding year. Those fields which produced over a million barrels were Cantaur, Carnduff, Coleville-Smiley, Dollard, Fosterton, Midvale, Nottingham, Steelman, Success, and Weyburn. New fields listed were Benson, Java Parkmen, and Willmar.

Manitoba showed an increase in output which was 6,089,743 barrels compared with 5,786,540 barrels in 1956. The fields which had a production in excess of a million barrels were Doly, Virden-Roselea, and North Virden. There was only a slight increase in the Ontario production and also in New Brunswick, Northwest Territories showed a small decline. In British Columbia the production increased to 340,945 barrels in 1957 from 148,454 barrels in 1956.

The average number of persons employed was 5465 to whom \$27,698,044 were paid in salaries and wages. Fuel cost \$3,430,435 and 75,624,990 kwh. of electricity were purchased for \$2,193,993. Process supplies were valued at \$10,504,401.

The general statistics refer only to firms which have producing wells, thus some oil-prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, Significant Years, 1921 - 1957

Year	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value of production ¹
	number			dollars			
1921	2, 828	190	215, 791	..	..	641, 533	..
1929	2, 635	2, 221	3, 748, 689	293, 354	..	4, 368, 374	..
1931	2, 346	1, 209	1, 634, 517	303, 511	..	4, 733, 287	..
1933	2, 128	718	773, 734	136, 278	..	3, 562, 170	..
1937	2, 328	1, 620	2, 340, 359	471, 187	638, 779	6, 002, 638	4, 892, 672
1939	2, 389	1, 780	2, 567, 983	707, 067	724, 988	10, 742, 977	9, 310, 922
1941	2, 312	1, 844	3, 254, 817	609, 616	194, 182	15, 011, 324	14, 207, 526
1944	2, 264	2, 547	5, 814, 676	1, 000, 484	242, 311	15, 818, 358	14, 575, 563
1946	2, 314	1, 563	3, 260, 571	914, 551	109, 555	14, 725, 139	13, 701, 033
1949	3, 166	2, 142	6, 304, 601	599, 562	386, 145	61, 091, 128	60, 105, 421
1950	3, 849	2, 417	7, 848, 539	660, 753	1, 053, 348	84, 595, 945	82, 881, 844
1951	4, 761	3, 185	11, 518, 781	1, 110, 966	2, 099, 527	116, 365, 729	113, 155, 236
1953	7, 506	4, 150	18, 430, 201	2, 447, 173	3, 020, 756	204, 481, 012	199, 013, 083
1954	8, 562	3, 870	15, 756, 455	2, 848, 332	4, 095, 789	247, 854, 366	240, 910, 245
1955	10, 467	4, 019	16, 948, 262	3, 289, 228	5, 785, 035	310, 666, 676	301, 592, 413
1956	13, 142	5, 145	25, 734, 994	4, 231, 770	8, 817, 449	408, 291, 885	395, 242, 666
1957	14, 946	5, 465	27, 698, 044	5, 624, 428	10, 504, 401	454, 862, 173	438, 733, 344

¹ Gross value of shipments less cost of fuel, electricity and process supplies.

Note: Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics for the Crude Petroleum Industry, by Provinces, 1956 and 1957

Year	Operating wells	Em- ployees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value of production ¹
	number				dollars		
1956							
Ontario	1, 422	174	429, 821	46, 872	119, 228	1, 958, 121	1, 792, 021
Manitoba	778	156	652, 977	165, 731	143, 673	13, 421, 451	13, 112, 047
Saskatchewan	2, 587	1, 037	4, 615, 552	937, 416	1, 961, 922	36, 191, 469	33, 292, 131
Alberta	8, 162	3, 486	18, 388, 932	3, 057, 946	5, 048, 775	355, 668, 490	347, 561, 769
British Columbia	112	280	1, 569, 293	16, 207	1, 542, 285	319, 804	-1, 238, 688
Northwest Territories	65	12	78, 419	7, 598	1, 566	732, 550	723, 386
Canada	13, 142 ²	5, 145	25, 734, 994	4, 231, 770	8, 817, 449	408, 291, 885	395, 242, 666
1957							
Ontario	1, 428	170	416, 409	51, 699	111, 054	2, 160, 000	1, 997, 247
Manitoba	852	137	607, 482	165, 368	144, 386	15, 153, 729	14, 843, 975
Saskatchewan	3, 427	1, 363	6, 361, 919	1, 380, 638	3, 299, 629	78, 888, 403	74, 208, 136
Alberta	8, 976	3, 363	17, 868, 698	3, 893, 721	4, 719, 004	357, 192, 140	348, 579, 415
British Columbia	179	423	2, 384, 513	129, 474	2, 230, 328	1, 132, 444	-1, 227, 358
Northwest Territories	65	9	59, 023	3, 528	—	335, 457	331, 929
Canada	14, 946 ³	5, 465	27, 698, 044	5, 624, 428	10, 504, 401	454, 862, 173	438, 733, 344

¹ Gross value of shipments less cost of fuel, electricity and process supplies.² Includes 16 wells in New Brunswick.³ Includes 19 wells in New Brunswick.

TABLE 3. Production of Crude Petroleum, by Provinces, 1956 and 1957

Province	1956		1957	
	Barrels	Value	Barrels	Value
		\$		\$
New Brunswick	16, 628	23, 279	19, 401	27, 161
Ontario	593, 370	1, 958, 121	623, 666	2, 160, 000
Manitoba	5, 786, 540	13, 633, 088	6, 089, 743	15, 467, 947
Saskatchewan	21, 077, 371	36, 253, 078	36, 861, 089	79, 325, 064
Alberta	143, 909, 641	353, 629, 158	137, 492, 316	355, 555, 140
British Columbia	148, 454	302, 375	340, 945	763, 717
Northwest Territories	449, 409	762, 773	420, 844	294, 591
Canada	171, 981, 413	406, 561, 872	181, 848, 004	453, 593, 620

TABLE 4. Well Output of Crude Petroleum in Alberta, by Fields, 1955-1957

Field	1955	1956	1957	Field	1955	1956	1957
	barrels				barrels		
Acheson	2,698,527	2,579,503	2,346,727	Keystone	—	35,842	777,910
Acheson East	58,976	53,566	48,714	Leatland	—	13,273	87,937
Alhambra	27,238	154,698	119,716	Leahurst	—	828	—
Alliance	396	—	—	Leduc-Woodbend	20,421,285	21,097,718	18,295,291
Armisie	22,916	24,053	23,148	Legal	49,247	39,458	44,310
Barons	38,980	31,185	29,308	Little Smoky	95,024	67,838	65,068
Bashaw	48,294	47,608	42,600	Lloydminster	1,221,505	1,091,536	895,028
Battle	116,642	108,406	95,980	Malmo	739,720	754,407	694,710
Battle North	35,751	36,698	37,190	Morinville	7,897	41,727	41,038
Battle South	173,705	135,104	125,617	Namao	48,507	44,144	37,685
Baxter Lake	33,912	24,280	24,382	Nevis	15,450	12,231	11,389
Bellshill Lake	—	183,750	585,868	New Norway	360,910	389,616	331,444
Bentley	—	260,900	702,730	Normandville	—	—	97,644
Big Lake	—	54,801	807,162	Oberlin	97	—	42
Bonnie Glen	7,826,622	10,290,407	8,176,121	Peavey	49,485	56,341	49,818
Bonnyville	37,100	27,496	10,354	Pembina	14,795,375	33,720,873	37,185,478
Campbell	48,805	52,219	41,372	Pincher Creek	—	12,875	452,413
Cessford	233,007	197,826	127,732	Princess	12,430	6,646	4,891
Chamberlain	8,158	1,485	9,227	Provost	1,345	200	—
Chauvin	163,721	171,584	147,840	Redwater	28,506,532	28,182,265	21,184,682
Chauvin South	9,268	10,136	4,135	Rocky Mountain House	39,573	66,475	79,401
Clive	227,920	283,392	249,967	Rosebud	—	—	41,072
Conrad	104,290	95,540	87,989	Rycroft	308	935	1,335
Del Bonita	31,500	29,016	26,110	St. Albert	70,574	130,072	107,074
Dina	11,319	5,098	12,124	Samson	7,868	9,372	14,310
Drumheller	272,370	293,301	244,813	Skaro	—	—	—
Duhamel	599,574	648,020	603,198	Spring Coulee	2,548	4,041	3,653
Ellerslie	37,651	31,209	25,278	Stettler	1,832,836	2,119,498	2,027,463
Erskine	567,184	997,773	1,238,025	Stettler South	—	61,807	71,046
Ewing Lake	42,756	33,122	29,406	Sturgeon Lake	78,276	403,598	477,683
Excelsior	1,084,643	1,004,637	758,650	Sturgeon Lake South	680,566	1,962,933	2,636,989
Fairydell-Bon Accord	555,028	572,089	511,662	Sundre	207,654	796,336	926,814
Fenn-Big Valley	7,546,666	8,028,779	7,798,439	Taber	110,519	120,527	139,408
Gilby	50,205	155,818	297,315	Turner Valley	2,056,439	1,776,393	1,595,082
Gilby West	46,436	—	—	Vermilion	—	—	—
Glenevis	38,868	57,238	142,108	Wainwright	207,517	678,671	997,105
Glen Park	468,426	421,973	342,563	Wayne	87,492	82,290	73,274
Golden Spike	3,400,517	3,941,614	2,520,680	West Drumheller	1,227,687	1,397,044	1,460,725
Hamilton Lake	128,104	123,621	111,974	Westerose	1,742,259	2,317,544	1,781,034
Harmattan-Elkton	—	799,200	1,579,240	Westward Ho	124,312	282,676	444,398
Harold Lake	—	5,208	1,349	Whitelaw	—	—	—
Hespero	—	39,638	34,985	Whitemud	11,770	13,666	13,175
Homeglen Rimbey	417,763	487,040	511,017	Willesden Green	—	31,598	282,927
Hughenden	—	—	35,843	Wimborne	—	7,405	75,013
Innisfail	—	9,740	186,788	Wizard Lake	3,720,011	4,823,992	4,377,067
Joarcam	4,792,878	4,540,276	4,259,153	Yekau Lake	—	54,576	62,786
Joffre	1,690,090	3,333,764	3,211,847	Youngstown	—	1,340	27,622
Joffre South	—	31,690	71,230	Other areas	631,503	620,028	935,439
Jumping Pound	164,238	156,925	178,053				
Kessler	10,081	7,580	7,914	Total Alberta	113,035,046	143,909,641	137,492,316

TABLE 5. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1956 and 1957

Field	1956	1957	Field	1956	1957
	barrels			barrels	
Alameda.....	19,926	465,039	Maidstone	4,243	910
Alida	648,967	749,322	Manor	2,603	4,414
Battrum	842,681	931,783	Marengo	—	—
Benson	—	47,128	Marsden	23,194	20,706
Bone Creek	246,431	674,461	Midale	1,430,098	2,478,273
Cantuar	1,357,160	1,346,888	Midway	2,391	—
Carnduff	120,754	1,588,562	Moose	8,400	—
Coleville-Smiley	3,633,832	3,123,557	North Premier	90,159	167,382
Dollard	1,302,192	2,078,998	Nottingham	1,365,847	2,309,424
Eastend	42,038	45,625	Parkman	—	12,574
Forget	6,391	—	Queensdale	3,301	288,772
Fosterton	1,866,736	1,907,023	Rapdan	71,143	93,865
Frobisher	320,822	—	Ratcliffe	7,373	—
Gainsborough	5,995	26,377	South Illerbrun	—	—
Glen Ewen	12,391	179,354	Steelman	1,849,390	9,565,662
Gull Lake	532,286	455,317	Success	1,728,871	1,656,214
Halbrite	13,879	46,723	Torquay	9,966	31,828
Hastings	255,882	516,750	Verlo	11,591	17,109
Hoosier	9,337	—	Wapella	264,141	256,057
Instow	217,633	640,010	Waseca	16,492	15,088
Java	5,563	—	Weyburn	386,795	3,423,773
Kingsford	555,396	—	Whiteside	28,762	84,456
Lampman	78,421	—	Willmar	—	48,605
Leon Lake	23,239	31,560	Other areas	68,440	189,568
Lloydminster	882,993	797,640			
Lone Rock	634,562	501,691			
McLaren	68,664	42,601	Total Saskatchewan	21,077,371	36,861,089

TABLE 6. Production of Crude Petroleum in Ontario, by Fields, 1957

County	Field or pool	Township	Producing formation	Production barrels
Elgin	Crinan	Aldborough	Salina	588
	Rodney	Aldborough	Columbus	373,770
	Wallacetown	Dunwich	Dundee	1,929
Essex	Staples	Tilbury West	Guelph	448
Kent	Bothwell—Thamesville	Zone, Camden, etc.	Dundee	10,497
	Dover	Dover	Trenton	2,328
	Wabash	Camden	Dundee	841
	D'Clute	Raleigh	Guelph	57
	Dresden	Camden, Chatham	Guelph	1,144
	Stevenson	Romney	Trenton	180
	Tilbury	Romney	Guelph	2,169
Lambton	Becher	Sombra	Salina	31,520
	Bickford	Sombra	Guelph	54
	Dante	Euphemia	Dundee	375
	Dawn	Dawn, Sombra	Salina—Guelph	16,434
	Miscellaneous	Euphemia	Dundee—Guelph	—
	Corunna	Moore	Salina—Guelph	35,160
	Oakdale	Dawn	Dundee	166
	Oil Springs	Enniskillen	Dundee	29,093
	Petrolia	Enniskillen	Dundee	32,569
	Sombra	Sombra	Guelph	84
	Warwick	Warwick	Guelph	21,935
	Watford	Warwick	Dundee	325
	Colinville	Moore	Salina—Guelph	11,387
	Kimball	Moore	Salina	1,617
	Seckerton	Moore	Salina—Guelph	5,563
	Shetland	Euphemia	Dundee	230
	Shetland	Euphemia	Guelph	89
Middlesex	Glencoe	Mosa	Dundee	13,987
	Grand Bend	McGillivray	Guelph	28,832
	Kerrwood	Metcalfe	Dundee	295
Total Ontario				623,666

TABLE 7. Production of Crude Petroleum, 1948-1957

Year	Barrels	Value	Year	Barrels	Value
		\$			\$
1948	12,286,660	37,418,895	1953	80,898,897	200,582,276
1949	21,305,348	61,118,490	1954	96,080,345	243,877,030
1950	29,043,788	84,619,937	1955	129,440,247	305,640,036
1951	47,615,534	116,655,238	1956	171,981,413	406,561,872
1952	61,237,322	143,038,212	1957	181,848,004	453,593,620

TABLE 8. Production of Crude Petroleum, by Provinces, 1948-1957

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
1948	21,372	176,989	—	849,166	10,888,592	—	350,541	12,286,660
1949	19,544	260,670	—	782,188	20,087,418	—	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	—	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	—	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	—	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	—	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	—	369,887	96,080,345
1955	12,548	525,510	4,145,756	11,317,168	113,035,046	—	404,219	129,440,247
1956	16,628	593,370	5,786,540	21,077,371	143,909,641	148,454	449,409	171,981,413
1957	19,401	623,666	6,089,743	36,861,089	137,492,316	340,945	420,844	181,848,004

TABLE 9. Production of Crude Petroleum, by Months, 1957

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
January	1,247	53,782	496,135	2,579,227	13,697,107	34,556	34,955	16,897,009
February	1,588	49,761	462,807	2,496,964	11,726,645	35,426	44,057	14,817,248
March	1,926	51,098	518,790	2,872,294	12,470,602	34,015	51,181	15,999,906
April	1,560	53,507	473,996	2,507,009	12,200,265	16,309	42,055	15,294,701
May	1,754	50,532	487,633	2,836,244	12,970,553	32,549	14,329	16,393,594
June	1,688	45,476	509,001	3,060,302	12,221,373	29,896	28,317	15,896,053
July	1,617	52,396	541,181	3,132,524	13,002,393	28,359	40,813	16,799,283
August	1,800	54,676	538,877	3,314,136	11,824,500	16,501	40,497	15,790,987
September	1,661	53,979	525,139	3,336,262	10,409,042	35,689	42,044	14,403,816
October	1,701	58,319	530,660	3,663,518	9,591,019	31,959	14,987	13,892,163
November	1,398	49,369	495,419	3,260,043	8,422,634	26,783	32,681	12,288,327
December	1,461	50,771	510,105	3,802,566	8,956,183	18,903	34,928	13,374,917
Total	19,401	623,666	6,089,743	36,861,089	137,492,316	340,945	420,844	181,848,004

TABLE 10. Production and Sales of Natural Gasoline and Naphtha in Alberta, 1956 and 1957

	1956	1957
Production — by fields:		
Acheson bbl.	14, 876	19, 561
Bonnie Glen	143, 286	147, 015
Devon	142, 605	123, 702
Fenn-Big Valley	418	—
Jumping Pound	57, 817	67, 620
Leduc-Woodbend	—	—
Morinville	9, 851	20, 281
Nevis	1, 360	38, 289
Redwater	7, 205	45, 275
Turner Valley	536, 154	506, 419
Total Alberta	913, 572	968, 162
Sales	908, 805	963, 686
Sales,	\$ 2, 637, 048	2, 693, 405

Note: Natural gasoline is not included in the crude petroleum figures since 1950.

TABLE 11. Petroleum Wells, by Provinces, 1955-1957

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	North- west Terri- tories	Canada
	number							
Productive wells at beginning of year:								
1955	17	1, 392	279	920	5, 061	—	26	7, 695
1956	17	1, 433	546	1, 539	6, 425	42	61	10, 063
1957	19	1, 422	705	2, 313	7, 639	79	65	12, 242
Number of productive wells drilled:								
1955	—	51	276	535	1, 260	—	2	2, 124
1956	—	57	195	747	1, 442	39	4	2, 484
1957	—	46	114	853	1, 016	48	—	2, 077
Number of wells abandoned:								
1955	—	14	5	30	158	—	—	207
1956	1	68	17	49	220	1	—	356
1957	—	40	28	81	182	—	—	331
Number of dry wells drilled:								
1955	—	—	49	287	294	—	—	630
1956	—	—	40	237	310	15	—	602
1957	—	—	58	304	361	34	—	757
Number of productive wells in operation at end of year:								
1955	17	1, 433	546	1, 539	6, 425	42	61	10, 063
1956	19 ¹	1, 422	705 ¹	2, 313	7, 639 ¹	79 ¹	65	12, 242 ¹
1957	19	1, 428	791	3, 085	8, 473	127	65	13, 988

¹ Adjustments.

TABLE 12. Employees¹ and their Earnings in the Crude Petroleum Industry, 1956 and 1957

	Average number of employees					Earnings		
	Office and administration		Workmen		Total	Office and adminis- tration	Workmen	Total
	Male	Female	Male	Female				
1956						dollars		
Ontario	23	12	139	—	174	128,683	301,138	429,821
Manitoba	44	4	108	—	156	233,060	419,917	652,977
Saskatchewan	309	78	648	2	1,037	1,839,385	2,776,167	4,615,552
Alberta	749	138	2,579	20	3,486	5,181,836	13,207,096	18,388,932
British Columbia	126	17	134	3	280	846,181	723,112	1,569,293
Northwest Territories	2	—	10	—	12	14,219	64,200	78,419
Canada	1,253	249	3,618	25	5,145	8,243,364	17,491,630	25,734,994
1957								
Ontario	27	10	133	—	170	138,090	278,319	416,409
Manitoba	33	1	103	—	137	183,779	423,703	607,482
Saskatchewan	417	85	861	—	1,363	2,429,881	3,932,038	6,361,919
Alberta	711	124	2,499	29	3,363	4,621,888	13,246,810	17,868,698
British Columbia	190	36	193	4	423	1,199,905	1,184,608	2,384,513
Northwest Territories	1	—	8	—	9	9,023	50,000	59,023
Canada	1,379	256	3,797	33	5,465	8,582,566	19,115,478	27,698,044

¹ Employment in New Brunswick included in Natural Gas Industry.**TABLE 13. Employees and their Earnings in the Crude Petroleum Industry, 1953-1957**

Year	Number of employees					Number of man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
							dollars		
1953	784	161	3,153	52	4,150	10,506,225	3,875,318	12,554,883	16,430,201
1954	855	194	2,782	39	3,870	10,013,487	4,757,441	10,999,014	15,756,455
1955	847	161	2,986	25	4,019	10,031,173	4,979,505	11,968,757	16,948,262
1956	1,253	249	3,618	25	5,145	12,819,810	8,243,364	17,491,630	25,734,994
1957	1,379	256	3,797	33	5,465	13,640,704	8,582,566	19,115,478	27,698,044

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 14. Workmen, by Months, in the Crude Petroleum Industry, 1956 and 1957 (Number on pay-roll on the last work-day of each month)

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
January	3,404	18	3,422	3,795	30	3,825
February	3,450	20	3,470	3,746	31	3,777
March	3,444	20	3,464	3,713	31	3,744
April	3,090	21	3,111	3,487	31	3,518
May	3,499	23	3,522	3,788	34	3,822
June	3,618	22	3,640	3,798	34	3,832
July	3,741	23	3,764	3,877	34	3,911
August	3,749	25	3,774	3,874	37	3,911
September	3,709	23	3,732	3,894	37	3,931
October	3,768	30	3,798	3,812	33	3,845
November	3,823	28	3,851	3,721	34	3,755
December	3,863	26	3,889	3,750	36	3,786
Average	3,618	25	3,643	3,797	33	3,830
Total man-hours worked			8,821,901			10,099,070

TABLE 15. Fuel and Electricity used in the Crude Petroleum Industry, 1957

Kind	Quantity	Cost at plant	
		\$	
Bituminous coal (a) From Canadian mines	short ton	661	5,203
(b) Imported	"	—	—
Sub-bituminous coal (from Alberta mines only)	"	159	1,373
Anthracite coal	"	—	—
Lignite coal	"	2,021	12,240
Coke (for fuel only)	"	—	—
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal.	4,576,007	1,830,531
Kerosene or coal oil	"	190	54
Fuel oil	"	3,794,239	770,263
Wood (cords of 128 cubic feet of piled wood)	cord	1,433	12,875
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal.	139,887	34,847
(b) Other manufactured gas	M cu. ft.	—	—
(c) Natural gas	"	8,377,150	763,049
Other fuel	—	—	—
Electricity purchased for power and lighting	kwh.	75,624,990	2,193,993
Electricity purchased for other purposes	"	—	—
Total .....	...	...	5,624,428
Electricity generated (a) For own use	kwh.	5,059,791	...
(b) For sale	"	—	—

TABLE 16. Imports of Petroleum, Asphalt and their Products, 1956 and 1957

Item		1956		1957	
		Quantity	Value	Quantity	Value
Asphaltum or asphalt, solid or not	cwt.	647,535	930,666	856,625	1,534,675
Asphalt oil for paving	gal.	66,960	9,871	448,377	52,526
Oil, imported by miners or mining companies, for the concentration of ores or metals	"	189,163	280,511	240,390	361,563
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° Fah.	M gal.	3,726,439	270,881,006	3,916,688	305,556,798
Crude petroleum, n.o.p.	gal.	11,550	1,098	3,570	349
Petroleum tops; blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° Fah., when imported by oil refiners to be refined	"	5,996,977	408,689	—	—
Fuel oil, ex-warehoused, for ships' stores	"	—	—	55,706	8,586
Aviation gasoline	"	103,206,194	21,356,281	117,207,239	24,262,476
Kerosene, lighter than .8236 specific gravity at 60° Fah., n.o.p.	"	20,089,504	2,339,654	16,107,707	2,097,643
Engine distillate, .8017 specific gravity or heavier at 60° Fah.	"	67,486	9,533	30,673	4,257
Gasoline, lighter than .8236 specific gravity at 60° Fah.	"	94,712,672	13,278,319	89,714,008	12,794,310
Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° Fah., when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	"	7,061,946	572,506	1,733,153	123,430
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	"	23,268,869	4,865,673	18,659,662	4,015,123
Lubricating oils, 25 cents and over	"	20,776,183	8,140,475	22,017,995	8,947,314
Oils, mineral, n.o.p.	"	1,692,181	1,520,417	1,739,330	1,585,210
Stove oil, No. fuel oil	"	168,686,860	19,662,944	140,122,167	16,080,016
Light fuel oils, Nos. 2 and 3	"	262,552,800	28,745,957	248,533,441	27,735,687
Heavy fuel oils, Nos. 4, 5 and 6	"	375,758,770	25,454,534	339,745,774	25,811,353
Diesel fuel	"	67,378,233	7,729,551	57,225,104	6,568,106
Tractor fuel	"	—	—	—	—
Petroleum greases and lubricating greases, n.o.p.	lb.	18,225,566	2,098,418	17,606,651	2,042,565
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes	—	—	674,491	—	766,654
Paraffin wax	lb.	42,956,237	2,890,954	43,129,388	2,831,821
Paraffin wax candles	"	312,683	100,896	337,753	104,586
Products of petroleum, n.o.p.	gal.	21,553,612	4,990,725	18,758,782	5,214,535
Liquefied petroleum gases	lb.	204,829,101	3,200,942	217,241,923	3,848,577
Naphtha, including solvent naphtha	gal.	15,712,626	3,265,014	13,771,889	3,059,975

TABLE 17. Exports of Petroleum and its Products, 1956 and 1957

Item	1956		1957	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude	gal. 1,501,783,000	103,923,155	1,948,598,000	140,974,837
Oil, coal and kerosene, refined	" 31,914,470	4,028,334	37,799,780	4,640,940
Gasoline and naphtha	" 27,033,680	3,842,826	42,146,318	5,522,723
Fuel oil	" 30,531,293	2,763,510	39,581,472	3,658,914
Lubricating oil	" 121,189	361,800	439,659	328,171
Oil, mineral, n.o.p.	" 10,312	6,284	2,590	1,403
Wax, mineral	cwt. 2,344	22,215	3,264	39,639

TABLE 18. Canadian Crude Petroleum Supply, 1943-1957

Year	Canadian production	Imports	Exports ¹	Apparent supply
barrels of 35 Imperial gallons				
1943	10,052,302	49,753,782	—	59,806,084
1944	10,099,404	57,047,826	—	67,147,230
1945	8,482,796	56,806,214	—	65,289,010
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,943	172,619,067
1955	129,440,247	86,792,460	14,833,971	201,398,736
1956	171,981,413	106,641,358	42,908,086	235,714,685
1957	181,848,004	111,905,473	55,674,229	238,079,248

¹ Exports were comparatively small prior to 1951 and may be neglected.

TABLE 19. Receipts of Crude Petroleum by Canadian Refineries, 1953-1957

Year	Maritimes and Quebec	Ontario	Manitoba Saskatchewan Alberta and Northwest Territories	British Columbia and Yukon	Canada
barrels					
1953:					
Canadian	—	22,954,227	43,711,979	2,679,381	69,345,587
Imported	64,439,523	11,066,468	7,446	5,892,673	81,406,110
Total	64,439,523	34,020,695	43,719,425	8,572,054	150,751,697
1954:					
Canadian	—	35,284,938	44,139,544	13,255,337	92,679,819
Imported	66,202,831	8,808,162	2,249	1,759,789	76,773,031
Total	66,202,831	44,093,100	44,141,793	15,015,126	169,452,850
1955:					
Canadian	—	38,848,811	48,891,081	17,310,671	105,050,563
Imported	76,796,694	9,954,434	—	—	86,751,128
Total	76,796,694	48,803,245	48,891,081	17,310,671	191,801,691
1956:					
Canadian	395,178	49,127,424	54,643,673	21,425,799	125,592,074
Imported	97,206,641	9,098,891	—	—	106,305,532
Total	97,601,819	58,226,315	54,643,673	21,425,799	231,897,606
1957:					
Canadian	—	49,996,130	54,411,057	22,507,050	126,914,237
Imported	103,647,166	8,059,505	—	—	111,706,671
Total	103,647,166	58,055,635	54,411,057	22,507,050	238,620,908

TABLE 20. World Crude Oil Production, 1955-1957

	1955	1956	1957
	thousands of barrels daily		
North America:			
United States	6,752.0	7,146.2	7,178.7
Canada	354.6	471.2	508.5
Mexico	241.2	255.1	249.5
Total	7,347.8	7,872.5	7,936.7
South America:			
Venezuela	2,152.3	2,452.7	2,805.5
Colombia	107.6	120.4	121.7
Argentina	83.2	83.4	92.0
Trinidad	67.4	70.0	93.7
Peru	47.0	49.9	52.7
Ecuador	9.5	9.8	8.7
Chile	6.9	9.5	11.3
Brazil	5.8	10.9	25.4
Bolivia	7.7	8.8	9.8
Cuba	0.9	1.7	1.0
Total	2,488.3	2,817.1	3,221.8
Western Hemisphere	9,836.1	10,689.6	11,158.5
Europe and Africa:			
Austria	65.0	63.8	60.1
Germany	61.4	68.0	76.8
Netherlands	19.5	20.6	29.1
France	15.5	24.1	28.0
Yugoslavia	3.0	3.0	—
Algeria	1.2	0.7	0.3
French Morocco	2.2	2.0	1.6
Italy and Sicily	4.3	10.5	27.6
United Kingdom	1.2	1.3	1.7
Gabon	—	—	3.3
Total (excluding U.S.S.R. and satellites)	173.3	194.0	228.5
U.S.S.R.	1,300.0	1,568.0	1,975.0
Romania	150.0	223.0	219.2
Hungary	24.0	35.0	14.3
Poland	4.0	7.0	3.7
Albania	6.0	6.0	3.6
Czechoslovakia	2.5	3.0	3.9
Total	1,486.5	1,842.0	2,445.8
Total Europe and Africa	1,659.8	2,036.0	2,674.3
Near and Middle East:			
Kuwait	1,106.0	1,075.2	1,150.9
Saudi Arabia	964.1	985.3	990.2
Iraq	682.0	641.8	413.9
Iran	322.7	547.5	714.7
Qatar	114.2	127.5	139.2
Egypt	31.7	36.6	42.1
Bahrein	30.0	30.0	31.7
Neutral zone	25.7	37.5	60.2
Turkey	3.2	5.9	5.8
Total	3,279.6	3,487.3	3,549.9
Far East and Oceania:			
Indonesia	239.5	254.1	315.4
British Borneo	106.5	119.4	120.5
Japan	6.1	6.1	6.2
India	6.9	6.2	9.1
New Guinea	9.6	—	6.3
Pakistan	5.6	5.7	6.0
Burma	4.0	4.9	8.9
China	2.5	—	30.8
Total	380.7	396.4	503.2
Eastern Hemisphere	5,320.1	5,919.7	6,737.4
World Total	15,156.2	16,609.3	17,895.9

Crude Petroleum Producers, 1957

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton	Stoney Creek
Ontario¹:		
Albot Gas & Oil Limited	10 Adelaide St. E., Toronto	Aldborough
Allegany Producing Corp.	80 N. Mail St., Wellsville, N.Y., U.S.A.	Glencoe
Ayrheart, E.J.	Oil Springs	Petrolia and Enniskillen
Barnes, A.G.	Petrolia	Petrolia and Enniskillen
Beattie, John	Rodney	Aldborough
Bradford Oil and Gas Co.	Glencoe	Aldborough
Brennan, R. J.	Petrolia	Petrolia
Bright Oil & Gas Co. Ltd.	29 Third St., Chatham	Camden Gore and Euphemia
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Byers Bros.	Oil Springs	Petrolia and Enniskillen
Cole, W.J.	Petrolia	Petrolia and Enniskillen
Colonial Petroleums Ltd.	52 Victoria Ave., Chatham	Dawn Twsp.
Comfort, N.	102 Inshes Ave., Chatham	Dover
Copeland, Russell	Petrolia	Petrolia and Enniskillen
DeMers, Victor E.	Box 182, Petrolia	Petrolia and Oil Springs
Dominion Natural Gas Co.	220 Delaware Ave., Buffalo 2, N.Y., U.S.A. ..	Aldborough
Dominion Petroleum Co. Ltd.	R.R. No. 2, Glencoe	Mosa
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F.H.	Box 125, Crescent Park, Petrolia	Petrolia and Enniskillen
Fairbank, H.H., Estate	Petrolia	Petrolia and Enniskillen
Felmont Oil Corporation	Rodney	Aldborough
Hamlin, F.G.	Petrolia	Petrolia and Enniskillen
Heal, A.A.	Watford	Warwick and Adelaide
Holmes, E.B.	Bothwell	Zone
Imperial Oil Ltd.	340 Saskatoon St., Box 485, London	Sombra, Euphemia, Mosa, Moore, Corunna and Becher
Kells, E.E.	Petrolia	Petrolia and Enniskillen
Keradec Petroleums Ltd.	397 Dundas St. London	Various
Kerr, J.J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E. A.	Bothwell	Zone
Lewis, Wm.	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
Marcus, L.	Wallacetown	Dunwick
McCrie, R.D.	Bothwell	Camden Gore
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H.M.	Oil Springs	Petrolia and Enniskillen
New Bristol Oils Limited	85 Richmond St. W., Toronto	Aldborough
Ontario Lands and Oil Co.	Petrolia	Petrolia and Enniskillen
Page, C.M.	Petrolia	Petrolia and Enniskillen
Pal Oil & Gas Co. Ltd.	Box 378, Thamesville	Aldborough
Pattinson, E.M.	Aylmer	Dover
Pope, Wm.	Bothwell	Zone
Roth, E.L. - F.L. Riggin	Rondeau Park	Aldborough
Shain, Viola, Mrs.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Union Gas Company of Canada, Limited	48 Fifth Ave., Chatham	Grand Bend
Warwick, Jack	Bothwell	Zone
Yerks, Frank	Petrolia	Petrolia and Enniskillen
Manitoba:		
Amurex Oil Company	703-5th St. W., Calgary, Alberta	Viriden and Roselea
Banff Oil Ltd.	505-8th Ave. W., Calgary, Alberta	Viriden
Basco Petroleums Ltd.	101-412 Seymour St., Vancouver, British Columbia	Daly
Bass, Harry Oil Company	239-6th Ave. W., Calgary Alberta	Daly
British American Oil Company Limited ..	Bay & College Sts., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Viriden
Canadian Devonian Petroleums Ltd.	1762 Scarth St., Regina, Sask.	Viriden and Roselea
Canadian Prospect Limited	203 Oil Exchange Bldg., Calgary, Alberta ...	Viriden
Canadian Superior Oil of California Ltd. ..	627-8th Ave. W., Calgary, Alberta	Viriden
Clearfield Land Development Co. Ltd. ..	539-8th Ave. W. Calgary, Alberta	Viriden and Roselea
Dillman, Lewis Oil Properties	203 Brent Bldg. Regina, Saskatchewan	Kirkella
Dome Exploration (Western) Limited	528-9th Ave. W., Calgary, Alberta	North Scallion, Ebor, Weld- house, Tapp and Whiteford

¹ Producer of 300 barrels or more during the year.

Crude Petroleum Producers, 1957 - Continued

Name	Address	Location of field
Manitoba - Concluded:		
Eureka Oils Ltd.	176 Sutherland Ave., Winnipeg	Roselea and Virden
Fargo Oils Ltd.	320-7th Avenue W., Calgary Alberta	Virden and Roselea
Fosca Oil Co. Ltd.	309-7th Ave. S.W. Calgary, Alberta	Woodnorth and Daly
Great Northern Carbon & Chemical Co. Ltd.	625 Dominion Square Bldg., Montreal, Quebec	Westover
Great Sweet Grass Oils Ltd.	100 Adelaide St. W., Toronto, Ontario	Tilston, Pierson and Whitewater
Halliburton Oil Producing Co.	Duncan, Oklahoma, U.S.A.	Various
Hegion & Atkinson Ltd.	Box 1027, Virden	Virden and Roselea
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	South Virden
Imperial Oil Limited	56 Church St., Toronto, Ontario	Virden
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Virden and Routledge
Owen, J.P.	Box 665, Overton, Texas, U.S.A.	Tilston, Roselea and Waskada
Roselea Syndicate	Virden	Virden and Roselea
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Lulu Lake
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary, Alberta	Daly
Shell Oil Co.	P.O. Box 100, Calgary, Alberta	Various
Souris Valley Oil Co. Limited	201 Avenue Building, Winnipeg	Virden and Daly
Sun Oil Company	Drawer 39, Calgary, Alberta	Virden
West Canadian Oil & Gas Ltd.	505-8th Ave., Calgary, Alberta	Scallion
Saskatchewan:		
Amerada Petroleum Corp.	622-8th Ave. W., Calgary, Alberta	Wood Mtn. and Val Marie
Amurex Oil Co.	703 Fifth St. W., Calgary, Alberta	Hatton, Midale and Weyburn
Anderson-Prichard Oil Corp.	Liberty Bank Bldg., Oklahoma, City, Oklahoma, U.S.A.	Steelman
Anglo-American Exploration Limited ...	330-9th Ave. W., Calgary, Alberta	Gull Lake, Frobisher
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary, Alberta	Steelman
Barons Oil Limited & North Continental Oil & Gas Corporation Ltd.	200 Leeson-Lineham Bldg., Calgary, Alberta ..	Lloydminster
Bass, Harry, Oil Company	239-6th Ave. W., Calgary, Alberta	Coleville
Beaver State Wilrich Excelsior Limited ..	222 Tegler Bldg., Edmonton, Alberta	Lloydminster
British American Oil Co. Limited	Bay & College Sts., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Hastings and Laird
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary, Alberta	Weyburn and Steelman
Canadian Delhi Oil Ltd.	505-8th Ave., Calgary, Alberta	Bone Creek
Canadian Export Gas Ltd.	203 Oil Exchange Bldg., Calgary Alberta	Florence
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary, Alberta	Various
Canadian W.C. McBride Inc.	25 N. Brentwood Blvd., St. Louis, Missouri, U.S.A.	Carnduff
Canadian Oil Co. Ltd.	631-7th Ave. W., Calgary, Alberta	Weyburn
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alberta	Nottingham, Midale and Alida
Canpet Exploration Ltd.	720-7th Ave. S.W., Calgary, Alberta	Nottingham
Canso Oil Producers Ltd.	940-8th Ave., Calgary, Alberta	Coleville and Smiley
Central Del Rio Oil Ltd.	224-9th Ave. S.W., Calgary, Alberta	Weyburn and Steelman
Commonwealth Drilling Co. Ltd.	534-8th Ave. W., Calgary, Alberta	Halbrite and Steelman
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia ...	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, British Columbia ...	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Ave. D North, Saskatoon	Smiley and Eureka
Danzker & Associates	705 Childs Bldg., Winnipeg, Manitoba	Lloydminster
Devon-Palmer Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Dillman, L.	203 Brent Bldg., Regina	Kingsford
Dome Exploration (Western) Limited	528-9th Ave. W., Calgary, Alberta	Midale, Whiteside and Steelman
Donna Oils	736 Granville St., Vancouver, British Columbia	Lloydminster
Elk Oils Ltd.	Box 188, Humboldt	McLaren
Excelsior Refineries Ltd.	222 Tegler Bldg., Edmonton, Alberta	Lloydminster
Fair Oil & Gas Ltd.	302 Northgate Bldg., Edmonton, Alberta	Lloydminster
Fargo Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Lloydminster, Cantuar and Lone Rock
Feldman, D.D., Oil & Gas	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Cantuar, Success and Gull Lake
Francana Enterprises Ltd.	5 St. James St. E., Montreal Quebec	Alameda-Oxbow
Franco Castle No. 10 well	976 Richards St., Vancouver 2, British Columbia	Lloydminster and Lone Rock
French Petroleum Co. Of Canada Ltd. ..	718-8th Ave. W., Calgary, Alberta	Torquay
Froman Oils Ltd.	308 Northgate Bldg. Edmonton, Alberta	Marsden
Frontier Refining Co.	4040 East Louisiana Ave., Denver, Col., U.S.A.	Cantuar
Gridoil Freehold Leases Ltd.	330-9th Ave. W., Calgary, Alberta	Various
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Midale, Weyburn, Success, Bone Creek, Coleville and Smiley
Husky Oil & Refining Ltd.	815-6th Ave. W., Calgary, Alberta	Lloydminster and Kindersley
Ibstone Petroleums Limited	Box 706, Saskatoon	Lloydminster

Crude Petroleum Producers, 1957 - Continued

Name	Address	Location of field
Saskatchewan - Concluded:		
Imperial Oil Limited	56 Church St., Toronto, Ontario	Various
Karels & Rennie	Swift Current	Lloydminster
L.M. Oil Co. Ltd.	912 McCallum Bldg., Regina	Nottingham
Liberal Petroleum Ltd.	Box 638, Edmonton, Alberta	Lone-Rock
McAlester Canadian Oil Co.	Box 210, Magnolia	Weyburn
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Various
Medallion Petroleum Ltd.	512-4th Ave. W., Calgary, Alberta	Hastings
Meyers, H.	Lloydminster	Lloydminster
Midwest Mining Corp. Ltd.	303 Brent Bldg., Regina	Steelman
Midwest Oil Corporation and Williston Oil & Gas Co.	809-4th St. W., Calgary, Alberta	Various
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary, Alberta	Various
New Gas Exploration Co. of Alberta Ltd.	512-4th Ave. W., Calgary, Alberta	Queensdale and Weyburn
New Superior Oils of Canada Ltd.	224-9th Ave. W., Calgary, Alberta	Weyburn
North American Chemicals Ltd.	818-8th Ave. W., Calgary, Alberta	Lloydminster and Dulwich
North American Oils Ltd.	736 Granville St., Vancouver, British Columbia	Lloydminster
Nuwell Oils Ltd.	10,019-103rd St. Edmonton	Dulwich
Okalta Oils Ltd.	239-6th Ave. W., Calgary, Alberta	Glen Ewen
Orecan Oil Ltd.	203 Brent Bldg., Regina	Kingsford
Placid Oil Company	418 Market St., Shreveport, Louisiana, U.S.A.	Nottingham
Quest Oil Syndicate	2313 25th Ave. N.W., Calgary, Alberta	Dulwich
R. & M. Oil & Gas Ltd.	10123-112th St., Edmonton	Steelman
Rex Oil & Development Co. Ltd.	705 Childs Bldg., Winnipeg, Manitoba	Dulwich
Ribroch Oil Ltd.	Royal Bank Bldg., Prince Alberta	Lone Rock
Richfield Oil Corporation	555 South Flower St., Los Angeles, California, U.S.A.	Bone Creek
Richwell Petroleum Ltd.	10584-107th St., Edmonton, Alberta	Lloydminster
Rogers-Bailey Syndicate	North Battleford	Lloydminster
Royalite Oil Company Limited	615-2nd Ave. W., Calgary, Alberta	Coleville, Smiley and Oxbow
Saskatoon Petrolens	736 Granville St. Vancouver, British Columbia	Lloydminster
Shell Oil Company	Box 100, Calgary, Alberta	Various
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma	Various
Sohio Petroleum Company	11th & Albert St., Regina	Various
Sun Oil Company	Drawer 39, Calgary, Alberta	Various
Texaco Exploration Company	237-7th Ave. W., Calgary, Alberta	Kingsford
Tide Water Associated Oil Company	Royal Bank Bldg., Regina	Various
Trans-Western Oils Ltd.	307-6th Ave., Calgary, Alberta	Lone Rock and Silverdale
Triad Oil Co. Ltd.	535-7th Ave. S. W., Calgary, Alberta	Steelman
Union Oil Company of California	709-8th Ave. W., Calgary, Alberta	Various
Union Oil and Gas Corp. of Louisiana ..	Houston, Texas, U.S.A.	Steelman
Valentia Oil Corp. Ltd.	228 King St. E., Toronto, Ontario	Dulwich
West Canadian Oil & Gas Ltd.	505-8th Ave. W., Calgary, Alberta	Various
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary, Alberta	North Premier
Western Leaseholds Ltd.	Bamlett Bldg., Calgary, Alberta	Midale
West Maygill Gas & Oil Ltd.	505-8th Ave. W., Calgary, Alberta	Alida
Whitehall Canadian Oils Ltd.	Can. Bk. of Commerce Bldg., Toronto, Ontario	Various
Woodley Canadian Oil Co.	Box 1403, Houston 1, Texas, U.S.A.	Baltrum
Yukon Oils and Uranium Ltd.	12707 Valleyway, Opportunity, Washington, U.S.A.	Dulwich
Alberta:		
Ace Oils Ltd.	534-8th Ave. W., Calgary	Lloydminster, Saskatchewan
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Leduc-Woodbend and Acheson
Alberta Oil Incomes Limited	330-9th Ave. W., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Limited ..	302 Toronto General Trusts Bldg., Calgary ...	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Alida Oil Co. Ltd.	940-8th Ave. W., Calgary	Various
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Alno Oils Ltd.	353-11th Ave. S.W., Calgary	Lloydminster
Amerada Petroleum Corporation	622-8th Ave. W., Calgary	Various
American Leduc Petroleum Ltd.	208 Baltzan, Edmonton	Various
American Northland Oil Co.	127 Montgomery St., San Francisco, U.S.A.	Wainwright
Amurex Oil Co.	703-5th St. W., Calgary	Various
Anglo-American Exploration Ltd.	326-9th Ave. W., Calgary	Stettler, Camrose and Drumheller
Arabee Oil & Gas Co. Ltd.	204-569 Howe St., Vancouver, British Columbia	Leduc-Woodbend
Armisie Oil Co. Ltd.	10044-102nd St., Edmonton	Armisie
Arrow Oil Royalties Limited	408 Superior, Calgary	Turner Valley
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Leduc

Crude Petroleum Producers, 1957 — Continued

Name	Address	Location of field
Alberta — Continued:		
Bakke, W.E. & W.E. Bakke Oil Co. Ltd.	404 Insurance Exchange Bldg., Calgary	Various
Barons Oil Limited	200 Leeson-Lineham Blk., Calgary	Barons
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Joarcam
Big Five Petroleums Ltd.	Box 114, Edmonton	Leduc-Woodbend
Big West Development Co. Ltd.	239-8th Ave. W., Calgary	Wainwright
British American Oil Co. Ltd. ¹	Bay & College Sts., Toronto	Various
Brinkerhoff Drilling Co. Ltd.	1001 Mobil Oil Bldg., Calgary	Various
British Colonial No. 1 Well	900 Pacific Bldg., Calgary	Turner Valley
Burbank Holdings Ltd.	433-4th Ave. W., Calgary	Joarcam
California Standard Company	Medical Arts Bldg., Calgary	Taber, Conrad and Princess
Calvan Consolidated Oil & Gas Company Limited	Bamlett Bldg., Calgary	Various
Calwin-Royalties Limited	330-9th Ave., Calgary	Turner Valley
Campbell, R. & Associates	8424-109th St., Edmonton	Leduc Woodbend
Canada-Cities Service Petroleum Corporation	Bartlesville, Oklahoma, U.S.A.	North Pembina and Keystone
Canadian Atlantic Oil Company Ltd.	800 Pacific Bldg., Calgary	Leduc
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary	Redwater Joarcam and Pembina
Canadian Chieftain Petroleums Ltd.	8631-109th St., Edmonton	Jaffre and Namao
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Various
Canadian Export Gas Ltd.	203 Oil Exchange Calgary	Various
Canadian Fina Oil Limited	630-8th Ave. Calgary	Various
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary	Various
Canadian Oil Co. Ltd.	31-7 Ave. West	Various
Canadian Prospect Ltd.	203 Oil Exchange Bldg., Calgary	Fenn-Big Valley
Canadian Seaboard Oil Co.	Canadian Bank of Commerce Bldg., Calgary	Various
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary	Various
Charter Oil Co. Ltd.	111 Petroleum Bldg., Calgary	Various
Colorado Oil & Gas Ltd.	Wales Hotel Bldg., Calgary	Various
Commoil Limited	534-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Petroleum Limited	534-8th Ave. W., Calgary	Turner Valley and Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia	Leduc-Woodbend
Consolidated Cordasun Oils Ltd.	239-6th Ave. W., Calgary	Stettler
Consolidated East Crest Oil Company Limited	735-8th Ave. W., Calgary	Turner Valley and Leduc-Woodbend
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Avenue D North Saskatoon, Sask.	Leduc-Woodbend
Cree Oil of Can. Ltd.	708-7th Ave. W., Calgary	Various
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Dalo Oil Company Ltd.	222 Tegler Bldg., Edmonton	Lloydminster
Daveroy Oil Co. Ltd.	Box 4432, Edmonton	Camrose
Dempsey Oils Limited	809 Centre St., Calgary	Leduc-Woodbend
Devon Palmer Oils Ltd.	320-7th Ave. W., Calgary	Chauvin and Red Coulee
Dome Exploration (Western) Ltd.	528-9th Ave. W., Calgary	Redwater, Drumheller, Armena
Dundee Oils Ltd.	10920-88th Ave., Edmonton	Leduc
Eldon Royal American Model	201 Lancaster Bldg., Calgary	Legal
Excelsior Refineries Limited	222 Tegler Bldg., Edmonton	Lloydminster
Exterior Petroleums Limited	1676 Beverly	Lloydminster
Fair Oil & Gas Ltd.	302 Northgate Bldg., Edmonton	Wainwright
Fargo Oils Ltd.	3207th Ave. S.W., Calgary	Wainwright, Leduc and Acadia Valley
Federal Oils Syndicate	114-7th Ave. W., Calgary	Princess
Flamingo Oils Limited	402-100 Adelaide St. W., Toronto, Ontario ..	Various
Flock Gas and Oil Corp. Ltd.	114-7th Ave. W., Calgary	Denhart
Fosca Oil Co. Ltd.	309-7th Ave. S.W., Calgary	Battle South and Wainwright
French Petroleum Co. of Can. Ltd.	718-8th Ave. W., Calgary	Bonnie Glen
Glenphyll Petroleums Ltd.	Box 608, Drumheller	Grassy Lake
Godfrey-Lehman Lloydminster Syndicate	809 Centre St., Calgary	Silverdale
Golden Spike Western Petroleums Ltd.	809 Centre St., Calgary	Joarcam
Granville Oils Limited	534-8th Ave. W., Calgary	Turner Valley
Great Plain's Development Company of Canada	528-9th Ave. W., Calgary	Drumheller, Leduc and Joffre
Hales Oil & Gas Limited	735-8th Ave. W., Calgary	Ellerslie
Hargal Oils Ltd.	800 Hall Bldg., Vancouver, British Columbia	Leduc-Woodbend
Harris Well No. 2	201 Lancaster Bldg., Calgary	Turner Valley
Henderson Oil Holdings Ltd.	512-4th Ave. W., Calgary	Kitscoty and Blackfoot
Highwood Development Ltd.	640-7th Ave. S.W., Calgary	Coleville-Smiley
Home Oil Company Limited	304-6th Ave. W., Calgary	Various
Hudson's Bay Oil & Gas Co., Ltd.	320 Seventh Ave. W., Calgary	Various
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary	Lloydminster
Imperial Oil Limited	56 Church St., Toronto, Ontario	Various

¹ Operated an absorption plant.

Crude Petroleum Producers, 1957 - Continued

Name	Address	Location of field
Alberta - Continued:		
Ireton Petroleum Ltd.	5807-104th St., Edmonton	Redwater
Kali Ltd.	10920-88th Ave. W., Calgary	Leduc
Kamalta Well Operators Limited	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Ltd.	8424-109th St., Edmonton	Leduc-Woodbend
Keno Oils Limited	10920-88th Ave. Edmonton	Leduc
Klinter Oils Ltd.	708-7th Ave. W., Calgary	Keystone
L.B. Oils Ltd.	Macdonald Hotel, Edmonton	Leduc
Leamac Petroleum Ltd.	404-6th Ave. W., Calgary	Leduc-Woodbend
Leduc Calmar Oil Co. Ltd.	321A-7th Ave. SW., Calgary	Leduc
Legion Oils Ltd.	239-6th Ave. W., Calgary	Redwater
Liberal Petroleum Ltd.	Box 638, Edmonton	Blackfoot
Lloydminster Development Company Ltd.	Lloydminster 10920-88th Avenue	Leduc
Locksley Petroleum Ltd.	10920-88th Ave., Edmonton	Leduc
Luscar Coals Limited	10920-88th Ave., Edmonton	Pembina
Mac Oils Ltd.	11536 Jasper Ave., Edmonton	Various
Major Oil Investments Limited	306 Lancaster Bldg., Calgary	Turner Valley
Marjack Oils Limited	10920-88th Ave., Edmonton	Leduc
Maryland Petroleum Limited	306 Lancaster Bldg., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
Medallion Petroleum Ltd.	512-4 Ave. West., Calgary	Various
Melton Petroleum Limited	212 Barry Bldg., Edmonton	Leduc and Acheson
Merrill Petroleum Limited	510A-8th Ave. W., Calgary	Leduc
Metro Oil and Gas Co. Ltd.	224-9th Ave. W., Edmonton	Excelsior
Midwest Oil Corporation	809-4th SW., Calgary	Various
Miracle Oils Limited	330-9th Ave. W., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils	330-9th Ave. W., Calgary	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
Morgro Oil Operators Limited	Peace River	Lloydminster
New Concord Development Corp. Ltd.	239-6th Ave. W., Calgary	Leduc and Camrose
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleum Ltd.	330-9th Ave. W., Calgary	Turner Valley
New Superior Oils of Canada Limited	224-9th Ave. W., Calgary	Various
North American Chemicals Ltd.	11102-Jasper Ave., Edmonton	Lloydminster
Northern Natural Gas Producing Co.	2223 Dodge St., Omaha, Nebraska, U.S.A.	Westward Ho
Northern Natural Gas Co.	2223 Dodge St., Omaha, Nebraska, U.S.A.	Pembina
Northwell Operators Limited	631-7 Ave. W., Calgary	Various
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Various
Okalta Oils Limited	239-6th Ave. W., Calgary	Turner Valley and Leduc
Pacific Petroleum Limited	700 Petroleum Bldg., Calgary	Various
Pan American Petroleum Corp.	P.O. Box 591, Tulsa 2, Oklahoma	Various
Pan Western Oils Limited	940 Eighth Ave. W., Calgary	Leduc
Phillips Petroleum Company	Bartlesville, Oklahoma, U.S.A.	Various
Plymouth Oil Company	223-4th Ave., Pittsburgh, Pennsylvania, U.S.A.	Pembina
Provo Gas Producers Ltd.	528-9th Ave. W., Calgary	Hughenden and Consort
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary	Leduc and Morinville
Quintus Leaseholds Ltd. c/o Mitchell & Gray Ltd.	10920-88th Ave., Edmonton	Pembina
Redwater Water Disposal Co. Ltd.	10509-81 st. Ave., Edmonton	Redwater
Regal Royalties Ltd.	1742-10th Ave., Calgary	Turner Valley
Regent Refining (Canada) Ltd.	509-3rd St. W., Calgary	Leduc
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary	Turner Valley
Richfield Oil Corporation	555 South Flower St., Los Angeles 17, Cal.	Bellshill and Eckville
Romac Oils Ltd.	10123-112th St., Edmonton	Pembina
Ross Petroleum Ltd.	10168-100th St., Edmonton	Leduc and Woodbend
Royal American Oil Co. Ltd.	201 Lancaster Bldg.	Leduc-Woodbend
Royal Canadian Ventures Ltd.	980 West Pender St., Vancouver	Turner Valley
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	Royalite Bldg., Calgary	Turner Valley
Sage Oil Company Limited	10852-82nd Ave., Edmonton	Leduc-Woodbend
Sapphire Petroleum Limited	15 King St. E., Toronto, Ontario	Leduc
Sasko-Wainwright Oil & Gas	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	Box 287 Tulsa, Oklahoma, U.S.A.	Redwater
Scurry-Rainbow Oil Ltd.	1134-8th Ave. W., Calgary	Various
Security Freehold Petroleum Limited ..	Nanton Bldg., Winnipeg, Manitoba	Leduc
Selbay Exploration Limited	901-8th Ave. W., Calgary	Joffre and Wainwright
Sharples Oil (Canada) Ltd.	406 Bank of Commerce Bldg., Calgary	Volmer
Shell Oil Co. of Canada Limited	Box 100, Calgary	Various
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Camrose and Pembina
Sovereign Royalties Limited	Box 130, Calgary	Turner Valley
Sparmac Petroleum Limited	708 Imperial Bk. Bldg., Edmonton	Ellerslie and South Joffre

¹ Operated and absorption plant.

Crude Petroleum Producers, 1957 — Concluded

Name	Address	Location of field
Alberta — Concluded:		
Sturgeon Petroleums Ltd.	411- 6th Ave. W., Calgary	Leduc-Woodbend
Sun Oil Company	P.O. Drawer 39, Calgary	Various
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Trans-Canada Explorations Ltd.	10920- 88th Ave., Edmonton	Pembina, and Ewing Lake
Triad Oil Co. Ltd.	535- 7th Ave. W., Calgary	Various
Twin Valley Oil Royalties Limited	408 Superior Ave., Calgary	Turner Valley
Union Oil Co. of California	709- 8th Ave. W., Calgary	Fairydell
Vanalta Limited	10920- 88th Ave. Edmonton	Leduc
Vanlorne Oils Ltd.	10920- 88th Ave. Edmonton	Leduc
Wain-Con Oils Limited	3008-13 Ave., Calgary	Wainwright
Wespac Petroleums Ltd.	735- 8th Ave. W., Calgary	Whitemud
West Canadian Oil & Gas Ltd.	505- 8th Ave. W., Calgary	Various
Western Decalta Petroleum Ltd.	703- 5th St. W., Calgary	Turner Valley
Western Leaseholds Ltd.	11 Michael Bldg., Calgary	Various
West Maygill Gas & Oil Ltd.	505- 8th Ave. W., Calgary	Various
Western Petroleums Operators Limited ..	306 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.	215A- 10th St., Calgary	Leduc
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ontario	Leduc Alliance and Pembina
Widney Oil & Drilling Co. Ltd.	6328- 104 St., Edmonton	Leduc-Woodbend
Winalta Royalties Limited	330- 9th Ave., Calgary	Turner Valley
Yeske Petroleums Ltd.	210 Baltzan Bldg., Edmonton	Leduc-Woodbend
British Columbia:		
Imperial Oil Limited	Box 4029, Terminal A, Toronto Ontario	Various
Pacific Petroleums Ltd.	800 Pacific Bldg., Calgary	Fort St. John
Texaco Exploration Co.	237- 7 Ave. W., Calgary	Boundary Lake
White and Lloyd	1208 First National Bank Bldg., Dallas, Texas, U.S.A.	Blueberry
Northwest Territories:		
Imperial Oil Limited (Norman Wells).....	56 Church St., Toronto, Ontario	Fort Norman

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1957 amounted to 220,006,682 thousand cubic feet valued at \$20,962,501. These figures include the natural gas sold for domestic, industrial and other uses and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste and meter differences, was valued at a nominal wellhead price.

In Alberta, the Turner Valley field was the chief producer at 27,395,127 M cubic feet and the Jumping Pound field was next with 21,880,534 M cubic feet. Output increased in Saskatchewan to 13,994,347 M cubic feet and in Ontario to 14,400,913 M cubic feet but the production in New Brunswick decreased

slightly. Commercial production in British Columbia amounted to 8,274,942 thousand cubic feet in 1957. Not included in these statistics were British Columbia's natural gas output of 168,651 M cubic feet valued at \$18,130 in 1955 and 60,883 M cubic feet worth \$6,545 in 1954.

Employed by the industry were 1,951 persons to whom \$7,033,566 were paid in salaries and wages. Fuel cost \$290,813 and 2,570,458 kwh. of electricity were purchased for \$55,210. Process supplies cost \$187,579.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry. Firms which did not have producing wells may not have been included in this compilation.

TABLE 21. Principal Statistics for the Natural Gas Industry,¹ Significant Years, 1921 - 1957

Year	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production ²
	number				dollars		
1921.....	2,021	885	882,907	..	..	4,594,164	..
1929.....	2,298	1,953	2,275,147	41,590	..	8,555,971	..
1931.....	2,444	1,692	2,072,022	26,921	..	8,232,822	..
1933.....	2,515	1,367	1,650,815	53,994	..	7,725,951	..
1937.....	3,268	2,028	2,488,125	75,690	23,190	9,037,326	8,938,446
1939.....	3,352	1,990	2,536,220	82,877	15,520	10,732,543	10,634,146
1941.....	3,424	2,161	2,841,795	103,229	4,975	11,223,103	11,114,899
1944.....	3,621	1,810	2,885,654	188,003	13,149	9,772,357	9,571,205
1946.....	3,825	1,655	2,491,361	226,980	21,457	10,588,175	10,339,738
1949.....	3,927	2,223	4,713,266	58,960	4,552	17,582,512	17,519,000
1950.....	3,991	2,618	5,703,524	130,504	55,676	6,444,215	6,258,035
1951.....	3,985	2,658	6,491,234	126,301	48,583	6,691,223	6,516,339
1953.....	3,688	2,769	8,073,532	291,366	45,911	6,856,501	6,519,224
1954.....	3,572	2,887	8,864,662	287,009	75,395	8,286,809	7,930,405
1955.....	3,659	2,849	9,070,036	279,472	199,108	9,194,119	8,715,539
1956.....	3,484	2,947	10,617,695	575,062	269,825	9,273,891	8,429,004
1957.....	3,939	1,951	7,033,566	346,023	187,579	10,462,756	9,929,154

¹ See footnote to Table 22.

² Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 22. Principal Statistics for the Natural Gas Industry,¹ by Provinces, 1956 and 1957

Province	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production ²
	number				dollars		
1956							
New Brunswick	45	63	204,811	6,422	2,659	163,633	154,552
Ontario	3,062	1,589	5,424,116	342,352	264,761	4,740,298	4,133,185
Saskatchewan	22	12	46,742	3,012	55	122,541	119,474
Alberta	355	1,283	4,942,026	223,276	2,350	4,247,419	4,021,793
Canada	3,484	2,947	10,617,695	575,062	269,825	9,273,891	8,429,004
1957							
New Brunswick	49	68	227,374	6,857	8,571	183,281	167,853
Ontario	3,486	778	2,781,096	81,460	161,457	5,328,338	5,085,421
Saskatchewan	27	7	22,027	3,932	7,277	206,040	194,831
Alberta	377	1,098	4,003,069	253,774	10,274	4,745,097	4,481,049
Canada	3,939	1,951	7,033,566	346,023	187,579	10,462,756	9,929,154

¹ Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

² Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 23. Production of Natural Gas, 1948-1957

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1948	58,603,269	15,632,507	1953	100,985,923	10,877,017
1949	60,457,177	11,620,302	1954	120,735,214	12,482,109
1950	67,822,230	6,433,041	1955	150,772,312	15,098,508
1951	79,460,667	7,153,920	1956	169,152,586	16,849,556
1952	88,686,465	9,517,538	1957	220,006,682	20,962,501

TABLE 24. Production of Natural Gas, by Provinces, 1948-1957

Year	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	M cubic feet						
1948	420,352	8,590,429	477,271	48,965,217	—	150,000	58,603,269
1949	375,035	8,024,213	812,916	51,179,779	—	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	—	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	—	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	—	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	—	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	—	29,085	120,735,214
1955	186,549	10,852,857	6,706,743	133,007,493	—	18,670	150,772,312
1956	190,322	12,811,618	9,807,697	146,133,893	187,846	21,210	169,152,586
1957	175,417	14,400,913	13,994,347	183,140,820	8,274,942	19,243	220,006,682

TABLE 25. Production¹ of Natural Gas, by Provinces, 1956 and 1957

Province	1956		1957	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	190,332	141,315	176,417	156,641
Ontario	12,811,618	4,740,298	14,400,913	5,328,338
Saskatchewan	9,807,697	980,770	13,994,347	1,368,647
Alberta	146,133,893	10,960,042	183,140,820	13,735,562
British Columbia	187,846	20,193	8,274,942	366,867
Northwest Territories	21,210	6,938	19,243	6,446
Canada	169,152,586	16,849,556	220,006,682	20,962,501

¹ Sold and used by producers.**TABLE 26. Production¹ of Natural Gas, by Months and by Provinces, 1957**

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada ²
	M cu. ft.					
January	23,693	2,012,897	1,568,166	18,995,958	30,023	22,633,311
February	19,357	1,854,355	1,304,728	16,269,318	54,500	19,504,456
March	19,833	1,722,225	1,233,400	15,187,669	112,447	18,277,833
April	17,218	1,133,768	950,077	16,345,363	86,358	18,534,237
May	15,538	974,387	751,739	12,089,809	64,521	13,896,935
June	13,146	793,415	820,001	10,948,505	10,922	12,587,158
July	12,166	590,152	876,027	10,902,238	33,624	12,415,299
August	11,319	549,636	977,909	11,531,713	120,848	13,192,605
September	11,267	837,390	887,517	12,879,473	21,794	14,638,574
October	11,371	1,308,828	1,273,861	17,800,940	239,400	20,635,490
November	10,462	1,461,115	1,590,678	19,020,497	2,142,714	24,226,618
December	10,997	1,162,745	1,760,244	21,169,337	5,357,791	29,464,166
Total	176,417	14,400,913	13,994,347	183,140,820	8,274,942	220,006,682

¹ Sales and consumption by producers.² Includes 19,243 M cu. ft. in the Northwest Territories.

TABLE 27. Production of Natural Gas in Alberta, by Fields, 1957

Field	M cu. ft.	Field	M cu. ft.
Acheson	1, 118, 186	Pincher Creek	12, 864, 228
Bindloss	1, 413, 487	Red Water	2, 747, 491
Bonnie Glen	6, 639, 250	Turner Valley	27, 395, 127
Jumping Pound	21, 880, 534	Other fields	93, 272, 155
Leduc-Woodbend	12, 908, 849		
Morinville	2, 901, 513	Total Alberta	183, 140, 820

Note: Does not include waste gas and meter differences in the field amounting to 61 million M cu. ft. in 1957.

TABLE 28. Production of Natural Gas in Ontario, by Fields, 1957

County	Field	Producing Formation	1957 M cu. ft.
Brant	Brant	Clinton, Whirlpool	13, 485
Elgin East	Bayham	Clinton	17, 200
Essex	Staples Kingsville-Leamington	Guelph Guelph	12, 759 3, 719
Halton	Acton	Black River	29, 025
Haldimand	Haldimand	Clinton, Grimsby Whirlpool	1, 216, 337
Lincoln			
Wentworth			
Kent			
	Lake Erie	Salina Guelph	274, 845
	Camden Gore	Salina	36, 891
	Chatham	Salina Guelph	89, 442
	Declute	Salina Guelph	76, 272
	Dover	Trenton	71, 717
	Wolfe and Guilds	Salina	11, 477
	Morpeth	Salina	931, 427
	Tilbury	Salina Guelph	2, 425, 956
	Zone	Salina Guelph	155, 780
Lambton	East Becher	Guelph	63, 105
	West Becher	Salina Guelph	417
	Bickford	Salina Guelph	1, 029, 235
	Colinville	Salina Guelph	2, 771, 009
	Corunna	Salina Guelph	579, 989
	Dawn	Salina Guelph	66, 829
	East Kimball	Salina	—
	Plympton	Guelph	601, 975
	Payne	Salina Guelph	633, 110
	Seckerton	Salina Guelph	206, 079
	Sombra	Guelph	135, 443
	Moore	Salina Guelph	—
	Waubuno	Salina Guelph	755, 018
Middlesex and Elgin	Mosald	Salina	387, 495
Norfolk	Norfolk	Clinton, Grimsby	1, 388, 707
Oxford	Brownsville	Guelph	8, 914
	Norwich South	Clinton	25, 891
Welland	Welland	Clinton Grimsby Thorold Whirlpool	381, 365
Total Ontario			14, 400, 913

TABLE 29. Number of Gas Wells, by Provinces, 1955-1957

		New Brunswick	Ontario	Saskatchewan	Alberta	Canada
		number				
Productive wells at beginning of year	1955	44	3,211	12	294	3,561
	1956	42	3,280	17	331	3,670
	1957	48 ¹	3,062	25 ¹	358 ¹	3,493 ¹
Number of productive wells drilled	1955	—	144	2	14	160
	1956	3	157	1	23	184
	1957	1	162	3	19	185
Number of dry wells drilled	1955	1	195	4	15	215
	1956	—	217	4	8	229
	1957	1	213	—	7	221
Number of wells abandoned	1955	2	287	—	7	296
	1956	1	147	—	8	156
	1957	2	187	2	8	199
Productive wells at end of year	1955	42	3,280	14	301	3,637
	1956	44	3,062	18	346	3,470
	1957	47	3,273	26	369	3,715

¹ Adjusted.

TABLE 30. Natural Gas Pipeline Mileage, 1956 and 1957

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1956	1957	1956	1957	1956	1957	1956	1957
New Brunswick	20	20	65	65	36	36	73	73
Ontario ¹	2,552	3,712	4,383	4,863	..	..	..	..
Saskatchewan	73	73	44	45	90	90	35	35
Alberta	1,887	2,049	1,744	1,891	5,037	5,339	2,180	2,323
Canada	4,532	5,854	6,236	6,864	..	..	..	..

¹ Includes some pipeline owned by distributing firms.TABLE 31. Sales¹ of Manufactured and Natural Gas, 1956 and 1957

	1956			1957		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas:						
Domestic (including house heating)	359,750	11,613,163	12,816,281	356,395	9,197,671	10,271,336
Industrial	5,390	3,560,939	3,072,949	714	2,474,355	1,919,780
Commercial	23,456	4,779,473	4,755,795	17,085	4,281,305	4,348,930
Miscellaneous	8	84,768	38,306	92	1,266	21,969
Total	388,604	20,038,343	20,683,331	374,286	15,954,597	16,562,015
Natural gas:						
Domestic	474,279	52,039,471	39,492,230	589,972	61,237,933	49,315,602
Industrial	3,498	65,631,233	13,615,357	3,803	75,384,932	17,903,855
Commercial	35,879	25,897,786	11,445,054	51,431	30,979,564	15,346,243
Miscellaneous	506	157,159	99,817	440	1,181,027	597,866
Total	514,162	143,725,649	64,652,458	645,646	168,783,456	83,163,566
Total — all gas	902,766	163,763,992	85,335,789	1,019,932	184,738,053	99,725,581

¹ Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 32. Sales of Natural Gas, by Areas, 1957

	Domestic (including house heating)	Industrial	Commercial
	M cu. ft.		
Atlantic Provinces	143,007	157	2,203
Ontario	21,468,496	9,856,394	4,368,077
Manitoba and Saskatchewan	4,475,032	5,765,405	2,047,320
Alberta	32,228,228	59,235,826	22,883,175
British Columbia.....	2,923,170	527,150	1,678,789
Canada total	61,237,933	75,384,932	30,979,564

TABLE 33. Employees and their Earnings in the Natural Gas Industry, 1956 and 1957

	Number of employees					Earnings		
	Office and administration		Workmen		Total	Office and administration	Workmen	Total
	Male	Female	Male	Female				
1956						dollars		
New Brunswick	—	—	62	1	63	—	204,811	204,811
Ontario	204	179	1,206	—	1,589	1,364,501	4,059,615	5,424,116
Saskatchewan	5	—	7	—	12	26,951	19,791	46,742
Alberta	161	53	1,032	37	1,283	851,708	4,090,318	4,942,026
Canada	370	232	2,307	38	2,947	2,243,160	8,374,535	10,617,695
1957								
New Brunswick	—	—	67	1	68	—	227,374	227,374
Ontario	54	29	651	44	778	370,132	2,410,964	2,781,096
Saskatchewan	1	—	6	—	7	2,100	19,927	22,027
Alberta	174	58	826	40	1,098	995,390	3,007,679	4,003,069
Canada	229	87	1,550	85	1,951	1,367,622	5,665,944	7,033,566

TABLE 34. Number of Workmen in the Natural Gas Industry, by Months, 1956 and 1957
(On the last work-day of each month)

Month	1956			1957		
	Male	Female	Total	Male	Female	Total
January	1,705	26	1,731	1,186	78	1,264
February	1,639	26	1,665	1,132	74	1,206
March	1,644	26	1,670	1,141	75	1,216
April	1,963	26	1,989	1,271	70	1,341
May	2,539	36	2,575	1,600	78	1,678
June	2,735	47	2,782	1,698	83	1,781
July	2,840	53	2,893	1,757	92	1,849
August	2,801	53	2,854	1,812	97	1,909
September	2,731	48	2,779	1,858	94	1,952
October	2,631	46	2,677	1,885	93	1,978
November	2,407	37	2,444	1,789	91	1,880
December	1,783	36	1,819	1,382	90	1,472
Average	2,307	38	2,345	1,550	85	1,635
Man-hours worked.....			4,598,078			3,638,356

TABLE 35. Employees and their Earnings in the Natural Gas Industry, 1953-1957

Year	Number of employees					Number of man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
							dollars		
1953	449	271	2,016	33	2,769	6,079,939	2,129,758	5,943,774	8,073,532
1954	429	259	2,161	38	2,887	6,762,532	2,038,847	6,825,815	8,864,662
1955	417	253	2,149	30	2,849	6,167,918	2,344,307	6,725,729	9,070,036
1956	370	232	2,307	38	2,947	6,083,645	2,243,160	8,374,535	10,617,695
1957	229	87	1,550	85	1,951	4,252,931	1,367,622	5,665,944	7,033,566

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 36. Fuel and Electricity Used in the Natural Gas Industry, 1957

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian Mines short ton	—	—
(b) Imported..... "	—	—
Sub-bituminous coal (from Alberta mines only)..... "	400	1,000
Anthracite coal "	—	—
Lignite coal "	—	—
Coke (for fuel only) "	—	—
Gasoline, (includes gasoline used in cars and trucks) Imp. gal.	536,380	172,823
Kerosene or coal oil "	25,347	6,370
Fuel oil "	40,739	7,827
Wood (cords of 128 cubic feet of piled wood) cord	—	—
Gas (a) Liquefied petroleum gases (propane, etc.) Imp. gal.	13,530	2,430
(b) Other manufactured gas M cu. ft.	—	—
(c) Natural gas "	557,582	100,363
Other fuel —	---	—
Electricity purchased for power and lighting kwh.	2,570,458	55,210
Electricity purchased for other purposes..... "	—	—
Total (cost only)	---	346,023
Electricity generated (a) For own use kwh.	—	---
(b) For sale "	—	—

Directory of Firms in the Natural Gas Industry, 1957

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
A.C. Gas Syndicate	Ridgeway	Bertie
Anthony Gas & Oil Exploration Co. Ltd.	191 Mill St., Acton	Esquising and Guelph Twps
Barnhart, Mrs. E.	Stevensville	Bertie
Bates, Norman	Port Colborne	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	Humberstone
Beacon Syndicate	Fort Erie	
Beaver Oil & Gas Syndicate	25 Highland Ave., Ridgway	Bertie
Benner, Alvin and Jack	Sherkston	Humberstone
Benner, K.W.	Fisherville	Rainham
Bertie Township Gas & Oil Syndicate	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Bolivar Gas Company	385 Main St., Bolivar, N.Y., U.S.A.	Walsingham North
Booth, Mrs.	Niagara Falls, U.S.A.	Willoughby and Bertie
Campbell, L.G.	Kingsville	Gosfield South
Canfield Natural Gas Company Limited ...	Dunnville	Cayuga North
Caughell Bros.	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Senaca Gas Syndicate	Cayuga	Senaca
City Gas Co. of London ¹	215 Dundas St., London	Dawn
Colonial Petroleum Ltd.	52 Victoria Ave., Chatham	
Comfort, N.	Chatham	Raleigh and Tilbury
Consolidate West Petroleum Limited	19 Melinda St., Toronto	Romney
Consumers Gas Co. of Toronto ¹	19 Toronto St., Toronto 13.	Oshawa, Whitby and Bowmanville
Continental Consolidated Mines & Oils Corp. Ltd.	67 Yonge St., Toronto	Tilbury East
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Cummings, H., & Sons	York	Senaca
D. & M. Syndicate	Fort Erie	Bertie
Daubarie, A. ¹	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Dickout Bros.	Lowbanks	Moulton
Dickson & Mercer	Hagersville	Oneida
Dominion Natural Gas Company, Limited ² ..	220 Delaware Ave., Buffalo 2, N.Y., U.S.A.	Various
Donolga Company	Simcoe	Norfolk, Langton Field, Walsingham
Edmund Gas Syndicate	Port Colborne	Humberstone
Ehde, J.R.	Leamington	Charlotteville
Emerson, H.L.	Dunnville	Moulton, Canboro, and Wainfleet
Falls View Gas Syndicate	Fort Erie	Stamford
Felmont Oil Corporation	Rodney	Romney
Fisherville Gas Co.	Fisherville	Rainham
Fletcher, Eva	Glanford Station	Binbrook
Fox, E.S.	Welland	Thorold
George, Mrs. A.	7 Thompson Rd., Fort Erie	Bertie
George, F.	411 Niagara Blvd., Fort Erie	Bertie
Grand River Gas & Oil Syndicate ²	Canfield	Cayuga North
Grimsby Natural Gas Company Limited ...	Grimsby	Caistor, Gainsboro and Canboro
Haidon & MacDonald	Chippawa	Willoughby
Haidon, L. & P.	Chippawa c/o Royal Bank	Willoughby
Haidon, R.	Chippawa	Willoughby
Haldimand Gas Syndicate	Cayuga	Various
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Heise & Marton Gas Syndicate	14 Church St., Welland	Welland
Hercules Gas & Oil Syndicate	368 Ridge St., Ridgeway	Moulton
Highbank Oil Limited	62 King St. W., Chatham	Raleigh
Houk Syndicate	Guaranty Trust, Niagara Falls	Bertie
House, C.C. Estate of	Stevensville	Bertie
Huron Petroleum Co.	125 Keil Dr., Chatham	Howard Twp.
Imperial Oil Ltd.	340 Saskatoon St., London	Various
Jackson, P.L. ²	211 George St., Dunnville	Moulton, Walpole, Canboro, Cayuga North, Rainham, Dunn and Cayuga South

Directory of Firms in the Natural Gas Industry, 1957 — Continued

Name	Address	Location of field
Ontario — Continued:		
Jarvis Hereford Farms	Jarvis Ont.	Walpole and Haldemand
Kinsey, L. & O.	Box 389, Dunnville	Sherbrooke
Lakeshore Gas Co.	123 McNab St., Hamilton	Dunn
Lake Shore Gas & Oil Syndicate	368 Ridge St., Ridgeway	Bertie
Lake Shore Gas Company	20 Duke St., Hamilton	Dunn
Lapp & Arendt	Stevensville	Bertie
Lapp Estate	921 Ontario Ave., Niagara Falls	Bertie
Lejeune, Louis F.	Fort Erie	Bertie
Lincoln Natural Gas Co. Ltd.	Dunnville	Caistor, Moulton, Gainsboro and Wainfleet
Linda Lee Syndicate	Box 386, Ridgeway	Bertie
Lymburner Bros. and Webber	Dunnville	Cayuga North, Rainham and Walpole
M.M. T. Syndicate	Fort Erie	Humberstone
MacAnn Wall Prospecting Syndicate	Fort Erie	Bertie
MacIntyre & Hawkins	26 Wintemute, Fort Erie	Humberstone
Maguire, J.	Clifford	Walpole and Woodhouse
McKechnie, S., Estate	Dunnville	Walpole
Mehlenbacher, L.B., Gas Syndicate	Cayuga	Cayuga North, Rainham and Walpole
Meyers, Paul	379 Niagara Blvd., Fort Erie	Willoughby
Minor & Luck	18 Worsley St., Barrie	Sherbrooke
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Morningstar, Roy	Ridgeway	Bertie
Mulgrave Gas Syndicate	Stevensville	Bertie
Murdoch, Watson W.	R.R. 9, Dunnville	Dunn
Neff, R.	Sherkston	Humberstone
Nevada Gas Syndicate	Fort Erie	Thorold
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece Wilbert & Lyle	Dunnville	Sherbrooke
Norotto Gas Company Limited ¹	Norwich	Various
North Cayuga Gas Syndicate	46 King St. E., Hamilton	Cayuga North
North Shore Gas Co.	Selkirk	Rainham
Noyes, L.A., Estate	Stevensville	Willoughby
Nycan Gas Co.	100 Webster St. N., Tonawanda N.Y.	Middleton
Patterson & Culver	Box 92 Dunnville	Dunnville and Humberstone
Pattinson, E.	Box 126 Aylmer, Ont.	Dover
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
W. L. Pearson, Intrust	R.R. 4, Welland	Crowland
Pegg L., & Associates	Morpeth	Morpeth
Pegg Enterprises Ltd.	R.R. 1, Morpeth Ont.	Morpeth
Prairie Gas & Oil Co. Limited	170 Bay St., Toronto 1	Dover
Provincial Gas Company Limited	26 Jarvis St., Fort Erie	Humberstone, Willoughby, Bertie
Pure Gas & Oil Co. Ltd. ¹	Aylmer, Ont.	Crowland and Wainfleet
Queenston Gas & Oil Co. Ltd.	80 Jarvis St., Fort Erie	Walsingham South, Oneida, Woodhouse and Regal
Rae, Robert	1678 Kister Rd., Niagara Falls	Humberstone
Raydis Oil & Gas Company Limited	118 King St. W., Chatham	Townsend
Redisterf Gas Syndicate	Stevensville	Humberstone
Richmont Developments Ltd.	368 Ridge St., Ridgeway	Bertie, Willoughby and Humberstone
Riddel & Meyer Syndicate	379 Niagara Blvd., Fort Erie	Bertie
Rocks Mills Gas & Oil Co.	601 Huron & Erie Bldg., London	Norwich South
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Frank Estate	Ridgeway	Bertie and Humberstone
Round, Mrs. J.S.	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruch, K.C.	Stevensville	Bertie
Ruegg, Gas	Ridgeway	Bertie
Ruiter, T.	Port Colborne	Humberstone
Schier, F.	Stevensville	Bertie
Shank & Snively	Port Dover	Oneida
Sherbrook Gas Syndicate	Dunnville	Sherbrooke
Sherk & Carrothers	Sherkston	Humberstone
Sherkston Gas Syndicate	Sherkston	Humberstone and Bertie
Shurr, Ivan	Cayuga	Rainham
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Bertie and Humberstone
Sider, Ralph ²	Ridgeway	Moulton and Bertie
Simon, B.	Chippawa	Willoughby
Smith & Ehde	Lowbanks	Moulton and Dunn
Sodom, L. & A. Syndicate	Ridgeway	Willoughby
Southern, J.	Sarnia	Crowland

Directory of Firms in the Natural Gas Industry, 1957 - Continued

Name	Address	Location of field
Ontario - Concluded:		
Standard Gas & Oil Syndicate	Fisherville	Reinham and Walpole
Star Gas Syndicate	Ridgeway	Crowland, Humberstone and Bertie
Steele, K.	Port Colborne	Humberstone
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin ²	Jarvis	Woodhouse
Sunnyside Gas Syndicate	Welland Junction	Humberstone
Swayze, H.	Hagersville	Oneida
T. H. & G. Syndicate	Fort Erie	Bertie
Tri-County Gas & Oil Co. Ltd.	Norwich	Norwich South
Trio Gas Company	Dunnville	Canboro
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited ...	Chatham	Various
United Development Co. ¹	Aylmer Ont.	
United Gas Ltd. ¹	82 King St. E., Hamilton	
United Suburban Gas. Co., Ltd ¹	82 King St. E., Hamilton	
Valencourt Gas Syndicate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Vandenburg, L.	Simcoe	Windham
Wale, H.	Stevensville	Humberstone
Walpole Gas Syndicate	Cayuga	Walpole
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Weaver, Frank	Port Colborne	Humberstone
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Humberstone
Yuez Gas Co.	732 Brisbane Bldg. Buffalo, N.Y. U.S.A. ...	Charlotteville
Saskatchewan:		
Alminex Ltd.	320 Bay St., Toronto, Ontario	Milton
Amerada Petroleum Corp.	622-8th Ave. W., Calgary, Alberta	Alida and Steelman
Amurex Oil Co.	703 Fifth St. W., Calgary, Alberta	Hatton, Midale and Weyburn
Bata Petroleums Ltd.	Unity Saskatchewan	Unity
Canso Natural Gas Ltd.	940-8th Ave. W., Calgary, Alberta	Coleville and Smiley
Christie Mitchell & Mitchell Co.	320 Seventh Ave. W., Calgary, Alberta	Dulwich
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia ..	Lloydminster
Excelsior Refineries Ltd.	222 Tegler Building, Edmonton, Alberta	Lloydminster
Fargo Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Lloydminster, Cantuar, Lone Rock
Feldman D.D., Oil & Gas	3200 Republic Bank Bldg., Dallas, Texas, U.S.A.	Cantuar, Success and Gull Lake
Gridoil Freehold Leases Ltd.	330-9th Ave. W., Calgary Alberta	Various
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Contour
Husky Oil & Refining Ltd.	630-8th Ave. W., Calgary, Alberta	Lloydminster, Kindersley and Midale
Ibstone Petroleums Ltd.	Box 706, Saskatoon	Lloydminster
Imperial Oil Ltd.	56 Church St., Toronto	Various
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Lone Rock Gas Co.	Lone Rock	Lone Rock
McAlester Canadian Oil Co.	P.O. Box 210, Magnolia Ark.	Weyburn
Mobil Oil of Canada Ltd.	Mobil Oil Co., Calgary, Alberta	Various
Placid Oil Co.	418 Market St., Shreveport, Louisiana	Nottingham
Royalite Oil Company Limited	239-6th Ave. W., Calgary, Alberta	Coleville
Whitehall Canadian Oils Ltd.	Can. Bank of Commerce Bldg, Toronto	Various
Alberta:		
Ajax Petroleums Ltd.	330-9th Ave., Calgary	Morinville
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	330-9th Ave. W., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Limited ..	302 Toronto General Trusts Bldg., Calgary ..	Turner Valley
Amerada Petroleum Corporation	622-8th Ave. W., Calgary	Various
American Leduc Petroleums Ltd.	208 Baltzan Bldg., Edmonton	Leduc and Bashaw
Amurex Oil Company	703-5th St. W., Calgary	Various
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary	Camrose, Drumheller and Leduc
Arrow Oil Royalties Limited	408 Superior, Calgary	Turner Valley
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Various
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Joarcan
Big Five Petroleums	201 Lancaster Bldg., Calgary	Leduc and Woodbend
British Americal Oil Company Limited ³ ...	Royal Bank Bldg., Toronto, Ontario	Various
California Standard Co.	Medical Arts Bldg., Calgary	Various

Directory of Firms in the Natural Gas Industry, 1957 - Continued

Name	Address	Location of field
Alberta - Continued:		
Calvan Consolidated Oil & Gas Co.	Bamlett Bldg., Calgary	Various
Calwin Royalties Limited	330-9th Ave. W., Calgary	Turner Valley
Campbell, R. & Associates	8424-109th St., Edmonton	Leduc and Woodbend
Canadian Atlantic Oil Co. Ltd.	800 Pacific Bldg., Calgary	Leduc
Canadian Delhi, Oil Ltd.	505-8th Ave. W., Calgary	Picardville
Canadian Export Gas Ltd.	203 Oil Exchange Bldg., Calgary	Bindloss
Canadian Fina Oil Ltd.	Bamlett Bldg., Calgary	Various
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary	Pouce Coupe
Canadian-Montana Gas Co., Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte, Pendant d'Oreille and Smith Coulee
Canadian Oil Companies Ltd.	631-7th Ave. W., Calgary	Various
Canadian Pacific Railway Co.	Montreal, Quebec	Medicine Hat
Canadian Seaboard Oil Co.	Canadian Bank of Commerce, Calgary	Various
Canadian Western Natural Gas Company Limited	140-6th Ave. W., Calgary	Brooks Bow Island and Foremost
Canadian Western Power & Fuel Co. Ltd. Commoil Limited	Redcliff	Redcliff
Consolidated East Crest Oil Co. Ltd.	534-8th Ave. W., Calgary	Turner Valley
Consumer's Co-Operative Refineries Ltd. Crest Royalties Limited	735 8th Ave. W., Calgary	Turner Valley, Leduc and Wood- bend
Daveroy Oil Co. Ltd.	211 Avenue D. North, Saskatoon	Leduc and Woodbend
Department of National Defence Research Board	201 Lancaster Bldg., Calgary	Turner Valley
Dominion Glass Company Limited	Box 4432, Edmonton	Joarcan
Elk Point Gas Co. Ltd.	Ralston	Suffield and Wildcat
Excelsior Refineries Limited	1111 Beaver Hall Hill, Montreal, Quebec ..	Medicine Hat
French Petroleum Co. of Canada Ltd.	Elk Point	Elk Point
Godfrey Lehman Lloydminster Syndicate Granville Oils Limited	227 Tegler Bldg., Edmonton	Lloydminster
Hargal Oils Limited	718-8th Ave. W., Calgary	Bonnie Glen
Harris No. 2	809 Centre St., Calgary	Silverdale
Hewitt Oil Co.	534-8th Ave. W., Calgary	Turner Valley
Home Oil Co. Ltd.	800 Hall Building, Vancouver	Leduc and Woodbend
Hudson's Bay Oil & Gas Co. Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Husky Oil & Refining Ltd.	Lancaster Bldg., Calgary	St. Albert
Hycroft China Ltd.	304-6th Avenue West	Alberta
Imperial Oil Limited	320-7th Ave. W., Calgary	Various
Inland Gas & Oil Co. Ltd.	815-6th St. W., Calgary	Various
Mac Oils Limited	Medicine Hat	Medicine Hat
Major Oil Investments Limited	56 Church St. Toronto	Various
Maple Leaf Milling Co. Ltd.	36 Dominion Bank Chambers, Edmonton ...	Viking
Marjack Oils Ltd.	11536 Jasper Ave., Edmonton	Various
McConset Leduc Syndicate	306 Lancaster Bldg., Calgary	Turner Valley
Medallion Petroleum Ltd.	44 Eglinton Ave., Toronto	Medicine Hat
Medicine Hat, City of	10920-88th Ave. Edmonton	Leduc
Medicine Hat Brick & Tile Co. Ltd.	302-Toronto General Trusts Bldg.	Leduc and Woodbend
Merrill Petroleum Ltd.	512-4th Ave. W., Calgary	Pouce Coupe
Mid-Western Industrial Gas Ltd.	Medicine Hat	Medicine Hat
Miracle Oils Limited	Box 100, Medicine Hat	Medicine Hat
Miracle Royalties & Valley Oils	510A-8th Ave. W., Calgary	Leduc and Brooks
Mobil Oil of Canada Ltd.	10167-99th St., Edmonton	Fort Saskatchewan
New Chamberlain Petroleum Ltd.	330-9th Ave. W., Calgary	Turner Valley
New Continental Oil Co. of Canada Ltd. ...	301 Lancaster Bldg., Calgary	Turner Valley
New Superior Oils of Canada Limited	Mobil Oil Bldg., Calgary	Various
Northwell Operators Limited	640-7th Ave. W., Calgary	Bindloss
Northwestern Utilities Limited	231-8th Ave. W., Calgary	Leduc and Turner Valley
Ogilvie Flour Mills Co. Ltd.	224-9th Ave. W., Calgary	Various
Okalta Oils Limited	631-7th Ave. W., Calgary	Various
Pacific Petroleum Ltd.	10124-104 St., Edmonton	Viking-Kinsella
Pan American Petroleum Corp.	Box 6089, Montreal, Quebec	Medicine Hat
Pan Western Oils Ltd.	239-6th Ave. W., Calgary	Turner Valley and Leduc
Perry Brick & Tile Co. Ltd.	800 Petroleum Bldg., Calgary	Various
Plains Western Gas & Electric Co. Ltd.	310-9th Ave. S.W. Calgary	Bonnie Glen and Pembina
Provo Gas Producers Ltd.	940-8th Ave. W., Calgary	Leduc
Redcliff Pressed Brick Co., Ltd.	Redcliff	Medicine Hat
Redwater Oils Ltd.	Michael Bldg., Calgary	Viking
Regal Royalties Ltd.	1742-10th Ave. S.W., Calgary	Turner Valley
Renown Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model No. 2	201 Lancaster Bldg., Calgary	Turner Valley
Richfield Oil Corp.	555 South Flower St. Los Angeles 17. Cal.	Bellshill Eckville
Ross Petroleum Ltd.	10168-100th St., Edmonton	Leduc and Woodbend
Royal American Oil Co. Ltd.	201 Lancaster Bldg., Calgary	Leduc and Woodbend

Directory of Firms in the Natural Gas Industry, 1957 - Concluded

Name	Address	Location of field
Alberta — Concluded:		
Royal Canadian Ventures Ltd.	980 West Pender St. Vancouver	Turner Valley
Royalite Oil Company Limited ¹	606-2nd St. W., Calgary	Turner Valley
Scurry Rainbow Oil Ltd.	1134-8th Ave. W., Calgary	Various
Shaw, R. Estate	Lloydminster	Lloydminster
Shell Oil Co. of Canada Ltd.	Box 100, Calgary	Various
Sinclair Canada Oil Company	Tulsa, Oklahoma, U.S.A.	Various
Sovereign Royalties Ltd.	Box 130, Calgary	Turner Valley
Suffield Gas Supply	Suffield	Suffield
Sun Oil Company	Drawer 39, Calgary	Bonnie Glen
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Tilley Gas Co. Ltd.	Tilley	Tilley
Triad Oil Co. Ltd.	535-7th Ave. S.W., Calgary	Various
Twin Valley Oil Royalties Ltd.	408 Superior Ave., Calgary	Turner Valley
Vanalta Ltd.	10920-88th Ave., Edmonton	Leduc
West Canadian Oil & Gas Ltd.	505-8th Ave. S.W., Calgary	Various
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary	Various
West Maygill Gas & Oil Ltd.	505-8th Ave. W., Calgary	Various
Western Leaseholds Ltd.	Bamlett Bldg., Calgary	Redwater
Western Petroleum Operators Limited	306 Lancaster Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc, Pembina and Alliance
Widney Oil & Drilling Co. Ltd.	6328-104 St., Calgary	Leduc and Woodbend
Winalta Royalties Limited	330-9th Ave. W., Calgary	Turner Valley
Yeske Petroleums Limited	210 Baltzan Bldg., Edmonton	Leduc and Woodbend
British Columbia:		
Pacific Petroleums Ltd.	800 Pacific Bldg., Calgary	Fort St. John
Northwest Territories:		
Imperial Oil Ltd.	56 Church St., Toronto, Ontario	Fort Norman

¹ Distributing only.² Drilling and producing.³ Using or selling gas from absorption plant.

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THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1958

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THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1958

(a) THE CRUDE PETROLEUM INDUSTRY

The Canadian production of crude petroleum in 1958 amounted to 165,496,196 barrels valued at \$398,747,818 compared with 181,848,004 barrels valued at \$453,593,620 in the preceding year.

Over 68.4 per cent of Canada's output was from wells in Alberta. The oil fields in Alberta which produced in excess of 2 million barrels were Bonnie Glen, Fenn-Big Valley, Joarcam, Joffre, Leduc-Woodbend, Pembina, Redwater, and Sturgeon Lake South.

Saskatchewan produced 44,626,148 barrels in 1958 compared with 36,861,089 in 1957. The fields which exceeded a million barrels output were Alida, Carnduff, Coleville-Smilely, Dollard, Fosterton, Instow, Midvale, Nottingham, Steelman, and Weyburn.

Oil output in Manitoba declined from the peak of 6 million barrels in 1957. Fields which produced in excess of a million barrels were, Daly, Virden-Roselea, and North Virden Scallion. The production in Ontario increased to 778,341 barrels. New Brunswick's oil output decreased but the wells in the Northwest Territories increased their production. Crude oil output in the northern area of British Columbia amounted to 512,359 barrels compared to 340,945 barrels in 1957.

The average number of persons employed was 5,175 to whom \$26,300,039 were paid in salaries and wages. Fuel cost \$3,291,096 and 86,100,073 kwh. of electricity were purchased for \$2,425,489. Process supplies were valued at \$9,924,345.

The general statistics refer only to firms which have producing wells, thus some oil-prospecting and geophysical survey companies are not included.

TABLE 1. Principal Statistics of the Crude Petroleum Industry, Significant Years, 1929 - 58

Year	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value of production ¹
	number				dollars		
1929	2,635	2,221	3,748,689	293,354	..	4,368,374	..
1931	2,346	1,209	1,634,517	303,511	..	4,733,287	..
1933	2,128	718	773,734	136,278	..	3,562,170	..
1937	2,328	1,620	2,340,359	471,187	638,779	6,002,638	4,892,672
1939	2,389	1,780	2,567,983	707,067	724,988	10,742,977	9,310,922
1941	2,312	1,844	3,254,817	609,616	194,182	15,011,324	14,207,526
1944	2,264	2,547	5,814,676	1,000,484	242,311	15,818,358	14,575,563
1946	2,314	1,563	3,260,571	914,551	109,555	14,725,139	13,701,033
1949	3,166	2,142	6,304,601	599,562	386,145	61,091,128	60,105,421
1950	3,849	2,417	7,848,539	660,753	1,053,348	84,595,945	82,881,844
1951	4,761	3,185	11,518,781	1,110,966	2,099,527	116,365,729	113,155,236
1953	7,506	4,150	16,430,201	2,447,173	3,020,756	204,481,012	199,013,083
1954	8,562	3,870	15,756,455	2,848,332	4,095,789	247,854,366	240,910,245
1955	10,467	4,019	16,948,262	3,289,228	5,785,035	310,666,676	301,592,413
1956	13,142	5,145	25,734,994	4,231,770	8,817,449	408,291,885	395,242,666
1957	14,946	5,465	27,698,044	5,624,428	10,504,401	454,862,173	438,733,344
1958	16,147	5,175	26,300,039	5,716,585	9,924,345	412,140,777	396,499,847

¹ Gross value of shipments less cost of fuel, electricity and process supplies.

.. Not available.

Note: Data for New Brunswick are included in the Natural Gas Industry.

TABLE 2. Principal Statistics for the Crude Petroleum Industry, by Provinces, 1957 and 1958

Year	Operating wells	Em- ployees	Earnings	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value of production ¹
	number		dollars				
1957							
Ontario	1,428	170	416,409	51,699	111,054	2,160,000	1,997,247
Manitoba	852	137	607,482	165,368	144,386	15,153,729	14,843,975
Saskatchewan	3,427	1,363	6,361,919	1,380,638	3,299,629	78,888,403	74,208,136
Alberta	8,976	3,363	17,868,698	3,893,721	4,719,004	357,192,140	348,579,415
British Columbia	179	423	2,384,513	129,474	2,230,328	1,132,444	-1,227,358
Northwest Territories	65	9	59,023	3,528	—	335,457	331,929
Canada	14,946²	5,465	27,698,044	5,624,428	10,504,401	454,862,173	438,733,344
1958							
Ontario	1,433	205	646,269	62,200	47,479	2,623,000	2,513,321
Manitoba	799	126	636,348	177,803	52,442	14,406,780	14,176,535
Saskatchewan	3,821	1,258	6,130,922	1,119,328	1,531,944	97,333,395	94,682,123
Alberta	9,816	3,335	17,335,235	4,202,493	7,285,035	292,284,585	280,797,057
British Columbia	194	248	1,530,730	144,584	999,193	4,786,554	3,642,777
Northwest Territories	65	3	20,535	10,177	8,252	706,463	688,034
Canada	16,147³	5,175	26,300,039	5,716,585	9,924,345	412,140,777	396,499,847

¹ Gross value of shipments less cost of fuel, electricity and process supplies.² Includes 19 wells in New Brunswick.³ Includes 19 wells in New Brunswick.**TABLE 3. Production of Crude Petroleum, by Provinces, 1957 and 1958**

Province	1957		1958	
	Barrels	Value	Barrels	Value
		\$		\$
New Brunswick	19,401	27,161	15,189	21,265
Ontario	623,666	2,160,000	778,341	2,623,000
Manitoba	6,089,743	15,467,947	5,829,226	14,415,676
Saskatchewan	36,861,089	79,325,064	44,626,148	96,704,863
Alberta	137,492,316	355,555,140	113,277,847	283,262,592
British Columbia	340,945	763,717	512,359	1,022,156
Northwest Territories	420,844	294,591	457,086	698,266
Canada	181,848,004	453,593,620	165,496,196	398,747,818

TABLE 4. Production of Crude Petroleum, 1949-58

Year	Barrels	Value	Year	Barrels	Value
		\$			\$
1949	21,305,348	61,118,490	1954	96,080,345	243,877,030
1950	29,043,788	84,619,937	1955	129,440,247	305,640,036
1951	47,615,534	116,655,238	1956	171,981,413	406,561,872
1952	61,237,322	143,038,212	1957	181,848,004	453,593,620
1953	80,898,897	200,582,276	1958	165,496,196	398,747,818

TABLE 5. Production of Crude Petroleum, by Provinces, 1949-58

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
1949	19,544	260,670	—	782,188	20,087,418	—	155,528	21,305,348
1950	17,137	250,655	—	1,041,098	27,548,169	—	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	—	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	—	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	—	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	—	369,887	96,080,345
1955	12,548	525,510	4,145,756	11,317,168	113,035,046	—	404,219	129,440,247
1956	16,628	593,370	5,786,540	21,077,371	143,909,641	148,454	449,409	171,981,413
1957	19,401	623,666	6,089,743	36,861,089	137,492,316	340,945	420,844	181,848,004
1958	15,189	778,341	5,829,226	44,626,148	113,277,847	512,359	457,086	165,496,196

TABLE 6. Production of Crude Petroleum, by Months, 1958

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
January	1,617	54,496	522,366	3,842,406	10,827,322	37,965	31,463	15,317,635
February	1,182	40,872	470,350	3,559,284	10,343,870	32,715	15,244	14,463,517
March	1,174	52,769	519,656	3,842,415	9,960,381	54,068	27,806	14,458,269
April	994	61,241	475,001	3,423,463	8,019,992	11,904	49,064	12,041,659
May	1,460	64,599	515,279	3,676,158	8,244,104	35,323	23,918	12,560,841
June	1,404	65,450	501,080	3,571,565	8,232,625	38,589	41,752	12,452,465
July	1,346	70,129	512,120	3,733,053	10,274,309	42,885	48,832	14,682,674
August	1,234	71,954	488,812	3,971,820	9,187,145	40,025	57,533	13,818,523
September	1,171	78,748	462,978	3,839,383	8,662,626	49,682	57,922	13,152,510
October	1,304	78,554	472,678	3,861,752	8,911,986	59,649	29,232	13,415,155
November	1,186	67,058	447,338	3,571,705	9,359,942	41,374	36,645	13,525,248
December	1,117	72,471	441,568	3,733,144	11,253,545	68,180	37,675	15,607,700
Total	15,189	778,341	5,829,226	44,626,148	113,277,847	512,359	457,086	165,496,196

TABLE 7. Well Output of Crude Petroleum in Alberta, by Fields, 1956-58

Field	1956	1957	1958	Field	1956	1957	1958
	barrels				barrels		
Acheson	2,579,503	2,346,727	1,693,896	Keystone	35,842	789,508	1,462,013
Acheson East	53,566	53,452	74,752	Leafland	13,273	87,937	105,059
Alhambra	154,698	119,716	126,950	Leahurst	828	—	—
Alliance	—	—	—	Leduc-Woodbend	21,097,718	18,295,291	14,910,237
Armistie	24,053	23,148	20,554	Legal	39,458	44,310	46,674
Bantry	46,679	51,440	89,708	Little Smoky	67,838	65,068	66,953
Barons	31,185	29,308	30,648	Lloydminster	1,091,536	894,591	645,964
Bashaw	47,608	42,600	40,064	Malmo	754,407	694,710	675,829
Battle	108,406	95,980	75,833	Morinville	41,727	41,038	19,433
Battle North	36,698	37,190	32,398	Namao	52,596	45,670	45,313
Battle South	135,104	125,617	107,748	Nevis	12,231	11,389	8,298
Baxter Lake	24,280	24,382	26,875	New Norway	389,616	331,444	231,389
Bellshill Lake	183,750	585,868	814,257	Normandville	32,070	97,644	122,817
Bentley	260,900	702,730	648,363	Oberlin	—	42	41
Big Lake	56,448	807,162	207,664	Okotoks	—	—	424
Bonnie Glen	10,290,407	8,176,121	4,225,487	Peavey	56,341	49,818	38,615
Bonnyville	27,496	9,657	309	Pembina	33,721,287	37,185,478	33,093,712
Campbell	52,219	41,372	35,813	Pincher Creek	12,875	452,413	526,463
Cessford	197,826	127,732	121,373	Princess	6,646	4,891	6,543
Chamberlain	1,485	9,227	9,494	Provost	200	—	4,260
Chauvin	171,584	147,840	144,365	Red Earth	8,748	15,425	29,951
Chauvin South	10,136	4,135	6,554	Redwater	28,182,265	21,184,682	13,074,440
Clive	283,392	249,967	238,687	Rocky Mountain House	66,475	79,401	56,842
Conrad	95,540	87,989	83,719	Rosebud	5,477	41,072	35,558
Del Bonita	29,016	26,110	23,408	Rosedale	—	—	327
Dina	5,098	12,124	10,618	Rycroft	935	1,335	581
Drumheller	293,301	244,813	192,566	St. Albert	130,072	107,074	86,592
Duhamel	648,020	603,198	409,644	Samson	9,372	14,310	13,372
Ellerslie	31,209	25,278	11,069	Skaro	—	—	—
Erskine	997,773	1,238,025	1,225,780	Spring Coulee	4,041	3,653	2,661
Ewing Lake	33,122	29,406	26,651	Stettler	2,111,694	2,020,135	1,658,511
Excelsior	1,004,637	758,650	488,622	Stettler South	61,807	71,046	105,215
Fairydell-Bon Accord	572,089	511,662	384,904	Sturgeon Lake	403,598	477,683	515,035
Fenn-Big Valley	8,028,779	7,797,735	5,571,322	Sturgeon Lake South	1,962,933	2,636,989	2,893,305
Garrington	22,234	30,800	87,987	Sundre	796,336	926,814	1,105,664
Gilby	155,818	343,736	416,995	Taber	120,527	139,408	129,180
Gilby West	—	—	—	Thompson Lake	—	—	96,786
Glenevis	57,238	142,108	42,940	Turner Valley	1,776,393	1,594,881	1,458,753
Glen Park	421,973	342,563	243,619	Vermilion	—	—	—
Golden Spike	3,941,614	2,520,680	870,879	Wainwright	678,671	997,105	1,140,954
Hamilton Lake	123,621	111,974	91,538	Wayne	82,290	73,274	62,470
Harmattan East	—	91,261	472,774	West Drumheller	1,397,044	1,460,725	1,299,420
Harmattan-Elkton	799,200	1,579,240	1,980,071	Westerose	2,317,544	1,781,034	784,274
Harold Lake	5,208	1,349	142	Westward Ho	282,676	444,398	491,816
Hespero	39,638	34,985	37,102	Whitelaw	—	—	—
Homeglen Rimbey	487,040	510,985	542,716	Whitemud	13,666	13,175	10,849
Hughenden	—	35,843	36,800	Willesden Green	31,598	282,927	582,243
Hussar	—	36,300	176,136	Wimborne	10,622	98,678	165,403
Innisfail	9,740	186,788	1,244,998	Wizard Lake	4,823,992	4,377,067	1,583,277
Joarcam	4,540,276	4,259,153	3,476,187	Yekau Lake	54,576	62,786	49,355
Joffre	3,333,764	3,223,567	5,367,841	Youngstown	1,340	27,622	45,291
Joffre South	31,690	71,230	68,388	Other areas	498,894	563,162	826,317
Jumping Pound	156,925	178,053	192,727				
Kaybob	—	50,323	407,244				
Kessler	7,580	7,914	6,189	Total Alberta	143,909,641	137,492,316	113,277,847

TABLE 8. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1957 and 1958

Field	1957	1958	Field	1957	1958
	barrels			barrels	
Aberfeldy	—	7,743	Maidstone	910	—
Alameda	465,039	995,843	Manor	4,414	4,233
Alida	749,322	1,022,118	Marengo	—	—
Battrum	931,783	895,055	Marsden	20,706	12,371
Benson	47,128	119,578	Midale	2,478,273	2,464,275
Bone Creek	674,461	630,944	Midway	—	—
Cantuar	1,346,888	1,184,313	North Hoosier	—	774
Carnduff	1,588,562	2,999,708	North Premier	167,382	152,150
Coleville-Smiley	3,123,557	2,369,061	Nottingham	2,309,424	2,451,278
Dollard	2,078,998	3,121,587	Parkman	12,574	123,119
Eastend	45,625	49,574	Pinto	—	99,473
Forget	—	—	Queensdale	288,772	604,699
Fosterton	1,907,023	2,043,201	Rapdan	93,865	99,607
Frobisher	—	—	Ratcliffe	—	—
Gainsborough	26,377	27,009	South Illerbrun	—	—
Glen Ewen	179,354	244,273	Steelman	9,565,662	11,278,609
Gull Lake	455,317	471,720	Success	1,656,214	1,585,149
Halbrite	46,723	—	Torquay	31,828	13,820
Hastings	516,750	586,237	Verlo	17,109	18,118
Hoosier	—	—	Wapella	256,057	257,607
Instow	640,010	1,045,919	Waseca	15,088	8,641
Java	—	10,435	Weyburn	3,423,773	6,034,630
Kingsford	—	—	Whiteside	84,456	150,383
Lampman	—	—	Willmar	48,605	123,131
Leon Lake	31,560	32,030	Other areas	189,568	212,857
Lloydminster	797,640	657,621			
Lone Rock	501,691	382,664			
McLaren	42,601	34,591			
			Total Saskatchewan	36,861,089	44,626,148

TABLE 9. Production of Crude Petroleum in Ontario, by Fields, 1958

County	Field or pool	Township	Producing formation	Production barrels
Elgin	Crinan	Aldborough	Salina	372
	Rodney	Aldborough	Columbus	326,162
	Wallacetown	Dunwich	Dundee	1,725
Essex	Staples	Tilbury West	Guelph	292
	Miscellaneous			167
Kent	Bothwell—Thamesville	Zone, Camden, etc.	Dundee	11,579
	Dover	Dover	Trenton	1,585
	Wabash	Camden	Dundee	—
	D'Clute	Raleigh	Guelph	—
	Dresden	Camden, Chatham	Guelph	1,904
	Stevenson	Romney	Trenton	1,227
	Tilbury	Romney	Guelph	231
	Chatham	Chatham	Guelph	5,541
	Miscellaneous			89
Lambton	Becher	Sombra	Salina	41,154
	Bickford	Sombra	Guelph	—
	Dante	Euphemia	Dundee	351
	Dawn	Dawn, Sombra	Salina—Guelph	32,736
	Miscellaneous	Euphemia	Dundee—Guelph	302
	Corunna	Moore	Salina—Guelph	108,782
	Oakdale	Dawn	Dundee	—
	Oil Springs	Enniskillen	Dundee	30,841
	Petrolia	Enniskillen	Dundee	29,346
	Wanstead	Sombra	Guelph	37,252
	Warwick	Warwick	Guelph	34,947
	Watford	Warwick	Dundee	120
	Colinville	Moore	Salina—Guelph	8,143
	Kimball	Moore	Salina	1,667
	Seckerton	Moore	Salina—Guelph	26,874
	Shetland	Euphemia	Dundee	344
	Shetland	Euphemia	Guelph	—
Middlesex	Glencoe	Mosa	Dundee	15,863
	Grand Bend	McGillivray	Guelph	58,551
	Kerrwood	Metcalfe	Dundee	140
Miscellaneous				54
Total Ontario				778,341

TABLE 10. Production and Sales of Natural Gasoline and Naphtha in Alberta, 1957 and 1958

	1957	1958
Production — by fields:		
Acheson	bbl. 19,561	16,035
Bonnie Glen	" 147,015	108,439
Cessford	" —	5,725
Fenn-Big Valley	" —	—
Jumping Pound	" 67,620	76,379
Leduc-Woodbend	" 123,702	126,746
Morinville	" 20,281	34,895
Nevis	" 38,289	39,877
Pembina	" —	60,098
Redwater	" 45,275	34,791
Turner Valley	" 506,419	475,100
Total Alberta	" 968,162	978,085
Sales	" 963,686	916,922
Sales	\$ 2,693,405	2,887,201

Note: Natural gasoline is not included in the crude petroleum figures since 1950.

TABLE 11. Petroleum Wells, by Provinces, 1956-58

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	North- west Territories	Canada
	number							
Productive wells at beginning of year:								
1956	17	1,433	546	1,539	6,425	42	61	10,063
1957	19	1,422	705	2,313	7,639	79	65	12,242
1958	19	1,429 ¹	792 ¹	3,091 ¹	8,416 ¹	120 ¹	65	13,932 ¹
Number of productive wells drilled:								
1956	—	57	195	747	1,442	39	4	2,484
1957	—	46	114	853	1,016	48	—	2,077
1958	—	19	50	548	1,129	31	—	1,777
Number of wells abandoned:								
1956	1	68	17	49	220	1	—	356
1957	—	40	28	81	182	—	—	331
1958	—	15	64	87	251	—	—	417
Number of dry wells drilled:								
1956	—	—	40	237	310	15	—	602
1957	—	—	58	304	361	34	—	757
1958	—	10	19	236	350	33	1	649
Number of productive wells in operation at end of year:								
1956	19	1,422	705	2,313	7,639	79	65	12,242
1957	19	1,428	791	3,085	8,473	127	65	13,988
1958	19	1,433	778	3,552	9,294	151	65	15,292

¹ Adjustments.

TABLE 12. Imports of Petroleum, Asphalt and their Products, 1957 and 1958

Item		1957		1958	
		Quantity	Value	Quantity	Value
			\$		\$
Asphaltum or asphalt, solid or not.....	cwt.	856,625	1,534,675	520,366	891,136
Asphalt oil for paving	gal.	448,377	52,526	548,927	84,660
Oil, imported by miners or mining companies, for the concentration of ores or metals	"	240,390	361,563	181,414	267,249
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60° F	M gal.	3,916,688	305,556,798	3,641,358	273,948,487
Crude petroleum, n.o.p.	gal.	3,570	349	..	..
Petroleum tops: blends of petroleum tops or petroleum products with crude petroleum: all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° F, when imported by oil refiners to be refined	"	—	—	63,695,869	4,591,936
Fuel oil, ex-warehoused, for ships' stores	"	55,706	8,586	573,223	36,180
Aviation gasoline	"	117,207,239	24,262,476	82,725,591	16,021,346
Kerosene, lighter than .8236 specific gravity at 60° F, n.o.p.	"	16,107,707	2,097,643	10,375,317	1,215,256
Engine distillate, .8017 specific gravity or heavier at 60° F	"	30,673	4,257	21,566	2,927
Gasoline, lighter than .8236 specific gravity at 60° F	"	89,714,008	12,794,310	101,323,894	14,210,115
Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° F, when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	"	1,733,153	123,430	3,750	297
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	"	18,659,662	4,015,123	19,098,037	3,988,206
Lubricating oils, 25 cents and over	"	22,017,995	8,947,314	15,859,406	6,838,372
Oils mineral, n.o.p.	"	1,739,330	1,585,210	912,352	1,108,326
Stove oil, No. 1 fuel oil	"	140,122,167	16,080,016	154,401,947	16,856,871
Light fuel oils, Nos. 2 and 3	"	248,533,441	27,735,687	246,889,388	25,331,236
Heavy fuel oils, Nos. 4, 5 and 6	"	339,745,774	25,811,353	262,043,467	16,545,012
Diesel fuel	"	57,225,104	6,568,106	58,682,479	6,116,369
Tractor fuel	"	—	—	—	—
Petroleum greases and lubricating greases, n.o.p.	lb.	17,606,651	2,042,565	15,590,765	1,944,073
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes	"	—	766,654	—	752,709
Paraffin wax	lb.	43,129,388	2,831,821	44,193,117	2,833,063
Paraffin wax candles	"	337,753	104,586	429,636	138,023
Products of petroleum, n.o.p.	gal.	18,758,782	5,214,535	22,411,607	4,270,474
Liquefied petroleum gases	"	—	3,848,577	16,129,785	1,797,200
Naphtha, including solvent naphtha	"	13,771,889	3,059,975	10,995,070	2,433,003

.. Not available.

TABLE 13. Exports of Petroleum and its Products, 1957 and 1958

Item		1957		1958	
		Quantity	Value	Quantity	Value
			\$		\$
Petroleum, crude	gal.	1,948,598,000	140,974,837	1,108,780,000	73,043,757
Oil, coal and kerosene, refined	"	37,799,780	4,640,940	6,586,908	818,081
Gasoline and naphtha	"	42,146,318	5,522,723	5,874,251	787,619
Fuel oil	"	39,581,472	3,658,914	15,444,131	1,593,981
Lubricating oil	"	439,659	328,171	505,227	307,409
Oil, mineral, n.o.p.	"	2,590	1,403	6,646	3,053
Wax, mineral	cwt.	3,264	39,639	3,036	38,188

TABLE 14. Canadian Crude Petroleum Supply, 1944-58

Year	Canadian production	Imports	Exports ¹	Apparent supply
barrels of 35 Imperial gallons				
1944	10,099,404	57,047,826	—	67,147,230
1945	8,482,796	56,806,214	—	65,289,010
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,948	172,619,067
1955	129,440,247	86,792,460	14,833,971	201,398,736
1956	171,981,413	106,641,358	42,908,086	235,714,685
1957	181,848,004	111,905,473	55,674,229	238,079,248
1958	165,496,196	104,038,800	31,679,333	237,855,663

¹ Exports were comparatively small prior to 1951 and may be neglected.

TABLE 15. Receipts of Crude Petroleum by Canadian Refineries, 1954-58

Year	Maritimes and Quebec	Ontario	Manitoba Saskatchewan Alberta and Northwest Territories	British Columbia and Yukon	Canada
barrels					
1954:					
Canadian	—	35,284,938	44,139,544	13,255,337	92,679,819
Imported	66,202,831	8,808,162	2,249	1,759,789	76,773,031
Total	66,202,831	44,093,100	44,141,793	15,015,126	169,452,850
1955:					
Canadian	—	38,848,811	48,891,081	17,310,671	105,050,563
Imported	76,796,694	9,954,434	—	—	86,751,128
Total	76,796,694	48,803,245	48,891,081	17,310,671	191,801,691
1956:					
Canadian	395,178	49,127,424	54,643,673	21,425,799	125,592,074
Imported	97,206,641	9,098,891	—	—	106,305,532
Total	97,601,819	58,226,315	54,643,673	21,425,799	231,897,606
1957:					
Canadian	—	49,996,130	54,411,057	22,507,050	126,914,237
Imported	103,647,166	8,059,505	—	—	111,706,671
Total	103,647,166	58,055,635	54,411,057	22,507,050	238,620,908
1958:					
Canadian	—	60,329,816	52,899,634	21,284,548	134,513,998
Imported	103,383,037	4,061,704	—	—	107,444,741
Total	103,383,037	64,391,520	52,899,634	21,284,548	241,958,739

TABLE 16. World Crude Oil Production, 1956-58

	1956	1957	1958
	thousands of barrels		
North America:			
Canada	172,005	181,846	165,519
Cuba	543	395	344
Mexico	90,660	88,266	93,533
United States	2,617,432	2,616,901	2,448,837
Total	2,880,640	2,887,408	2,708,233
Daily average	7,871	7,911	7,420
South America:			
Argentina	31,024	33,953	35,829
Bolivia	3,196	3,575	3,435
Brazil	4,059	10,106	18,919
Chile	3,542	4,337	5,568
Colombia	44,968	46,782	47,951
Ecuador	3,420	3,191	3,108
Netherlands Antilles	—	—	—
Peru	18,383	19,289	18,732
Puerto Rico	—	—	—
Trinidad	28,929	34,064	37,355
Venezuela	899,212	1,014,457	950,796
Total	1,036,733	1,169,754	1,121,693
Daily average	2,833	3,205	3,073
Europe and Africa:			
Austria	23,619	21,955	19,546
France	9,346	10,189	9,986
Germany (Western)	25,408	28,698	32,126
Italy and Trieste	4,208	8,593	10,461
Netherlands	7,652	10,625	11,306
United Kingdom	496	614	584
Yugoslavia	—	—	3,267
Total	70,729	80,674	87,276
Daily average	193	221	239
Middle East:			
Bahrain	11,015	11,691	14,873
Egypt	11,929	16,157	22,109
Iran	197,148	263,134	301,361
Iraq	233,302	163,498	266,125
Israel	146	423	642
Kuwait	399,874	416,045	509,654
Neutral Zone	11,684	23,259	29,469
Qatar	45,300	50,798	63,412
Saudi Arabia	360,923	362,121	370,486
Turkey	2,075	2,159	2,379
Total	1,273,396	1,309,285	1,580,510
Daily average	3,479	3,587	4,330
Other Asia:			
China	4,700 ²	5,000 ²	6,000 ²
Formosa	21	17	15
Burma	1,420	2,958	3,454
India	2,876	3,241	3,448
Pakistan	2,118	2,200	2,272
Japan	2,169	2,243	2,563
Total	13,304	15,659	17,752
Daily average	36	43	49
Other Africa:			
Nigeria	—	—	1,970
Algeria	253	100	3,420
Morocco	734	566	560
French Equatorial Africa	—	1,207	3,550
Angola	52	1,059	358
Total	1,039	2,932	9,858
Daily average	3	8	27
Oceania:			
New Guinea	—	—	1,850
Australia	—	—	—
British Borneo	42,983	41,821	39,551
Indonesia ¹	96,430	116,430	118,715
New Zealand	7	6	5
Total	139,420	158,257	160,121
Daily average	381	433	439
Total above countries	5,415,261	5,623,969	5,685,443
Daily average	14,796	15,408	15,578
U.S.S.R. and Eastern Europe:			
U.S.S.R.	611,740	717,600	834,225
Other Eastern Europe	98,424	98,900	97,957
Total	710,164	816,500	932,182
Daily average	1,940	2,237	2,554
World Total	6,125,425	6,440,469	6,617,625
Daily average	16,736	17,645	18,133

¹ Includes New Guinea where production was 2,610,000 barrels.² Partly estimated.

TABLE 17. Employees¹ and their Earnings in the Crude Petroleum Industry, 1957 and 1958

	Employees					Earnings		
	Office and administration		Workmen		Total	Office and adminis- tration	Workmen	Total
	Male	Female	Male	Female				
	number					dollars		
1957								
Ontario	27	10	133	—	170	138,090	278,319	416,409
Manitoba	33	1	103	—	137	183,779	423,703	607,482
Saskatchewan	417	85	861	—	1,363	2,429,881	3,932,038	6,361,919
Alberta	711	124	2,499	29	3,363	4,621,888	13,246,810	17,868,698
British Columbia	190	36	193	4	423	1,199,905	1,184,608	2,384,513
Northwest Territories	1	--	8	—	9	9,023	50,000	59,023
Canada	1,379	256	3,797	33	5,465	8,582,566	19,115,478	27,698,044
1958								
Ontario	50	13	142	—	205	279,935	366,334	646,269
Manitoba	27	4	95	—	126	259,135	377,213	636,348
Saskatchewan	388	70	796	4	1,258	2,514,067	3,616,855	6,130,922
Alberta ..	753	119	2,442	21	3,335	5,036,338	12,298,897	17,335,235
British Columbia	141	29	76	2	248	1,004,523	526,207	1,530,730
Northwest Territories	1	—	2	—	3	5,833	14,702	20,535
Canada	1,360	235	3,553	27	5,175	9,099,831	17,200,208	26,300,039

¹ Employment in New Brunswick included in Natural Gas Industry.

TABLE 18. Employees and their Earnings in the Crude Petroleum Industry, 1954-58

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number						dollars		
1954	855	194	2,782	39	3,870	10,013,487	4,757,441	10,999,014	15,756,455
1955	847	161	2,986	25	4,019	10,031,173	4,979,505	11,968,757	16,948,262
1956	1,253	249	3,618	25	5,145	12,819,810	8,243,364	17,491,630	25,734,994
1957	1,379	256	3,797	33	5,465	13,640,704	8,582,566	19,115,478	27,698,044
1958	1,360	235	3,553	27	5,175	12,685,256	9,099,831	17,200,208	26,300,039

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 19. Workmen, by Months, in the Crude Petroleum Industry, 1957 and 1958 (Number on pay-roll on the last work-day of each month)

Month	1957			1958		
	Male	Female	Total	Male	Female	Total
January	3,795	30	3,825	3,707	28	3,735
February	3,746	31	3,777	3,727	28	3,755
March	3,713	31	3,744	3,622	28	3,650
April	3,487	31	3,518	3,266	28	3,294
May	3,788	34	3,822	3,450	28	3,478
June	3,798	34	3,832	3,485	28	3,513
July	3,877	34	3,911	3,526	23	3,549
August	3,874	37	3,911	3,518	22	3,540
September	3,894	37	3,931	3,596	21	3,617
October	3,812	33	3,845	3,468	22	3,490
November	3,721	34	3,755	3,464	22	3,486
December	3,750	36	3,786	3,576	23	3,599
Average	3,797	33	3,830	3,553	27	3,580
Total man-hours worked	10,099,070			9,123,325		

TABLE 20. Fuel and Electricity used in the Crude Petroleum Industry, 1958

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines short ton	889	10,752
(b) Imported	—	—
Sub-bituminous coal (from Alberta mines only) "	141	885
Anthracite coal	—	—
Lignite coal	4,000	21,000
Coke (for fuel only)	—	—
Gasoline, (includes gasoline used in cars and trucks) Imp. gal.	4,064,035	1,611,772
Kerosene or coal oil	115,395	47,107
Fuel oil	4,465,136	907,431
Wood (cords of 128 cubic feet of piled wood)	—	—
Gas (a) Liquefied petroleum gases (propane, etc.) Imp. gal.	622,672	215,201
(b) Other manufactured gas	—	—
(c) Natural gas M cu. ft.	6,350,676	476,948
Other fuel	—	—
Electricity purchased for power and lighting kwh.	86,100,073	2,425,489
Electricity purchased for other purposes	—	—
Total .....	...	5,716,585
Electricity generated (a) For own use kwh.	7,957,270	...
(b) For sale	—	—

TABLE 21. Power Equipment used in the Crude Petroleum Industry, 1958

Type of equipment	Driving generators	Not driving generators
	horsepower	
A. Prime movers:		
Steam engines	—	—
Steam turbines	184	2,033
Diesel engines	6,061	43,074
Gasoline, gas and oil engines, other than diesel engines	3,976	40,656
Hydraulic turbines or water wheels	—	—
Total	10,221	85,763
B. Electric motors (one-quarter horsepower and over)	200	44,926

Crude Petroleum Producers, 1958

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton	Stoney Creek
Ontario:¹		
Aldborough Oil and Gas Company	R.R. 1, Rodney	Aldborough
Albot Gas & Oil Limited	10 Alelaide St. E., Toronto	Aldborough
Allegany Producing Corp.	313 N. Main St., Wellsville, N.Y., U.S.A.	Glencoe
Ayrheart, E.J.	Oil Springs	Petrolia and Enniskillen
Barnes, A.G.	Petrolia	Petrolia and Enniskillen
Beattie, John	Rodney	Aldborough
Bradley, Murray	Petrolia	Enniskillen
Byers, Bros	Oil Springs	Petrolia and Enniskillen
Byers, Irving	Oil Springs	Petrolia and Enniskillen
Cities Service Refining (Canada) Limited	170 University Ave., Toronto 1	Aldborough
Cole, W.J.	Petrolia	Petrolia and Enniskillen
Colonial Petroleums Ltd.	630—8th Ave. W., Calgary, Alberta	Dawn Twp.
Comfort, N.	102 Inshes Ave., Chatham	Dover
Copeland, Russell	Petrolia	Petrolia and Enniskillen
DeMers, Victor E.	Box 182, Petrolia	Petrolia and Oil Springs
Donald, G.	Oil Springs	Petrolia and Enniskillen
Edward, F.H.	Box 125, Crescent Park, Petrolia	Petrolia and Enniskillen
Fairbank, J.H. Estate	Petrolia	Petrolia and Enniskillen
Felmont Oil Corporation	Rodney	Aldborough

¹ Producer of 300 barrels or more during the year.

Crude Petroleum Producers, 1958 — Continued

Name	Address	Location of field
Ontario—Concluded:		
Holmes, E.B.	Bothwell	Zone
Imperial Oil Ltd.	340 Saskatoon St., Box 485, London	Sombra, Euphemia, Mosa, Moore, Corunna and Becher
Kells, E.E.	Petrolia	Petrolia and Enniskillen
Kerdec Petroleum Ltd.	80 King St. W., Toronto	Various
Kerr, J.J., Co. Ltd.	Petrolia	Petrolia and Enniskillen
Kodyen, E.A.	Bothwell	Zone
Lewis, Wm.	Oil Springs	Petrolia and Enniskillen
MacGillivray, Margaret	Oil Springs	Petrolia and Enniskillen
McCrie, R.D.	Bothwell	Camden Gore
Mitchell, C.	Oil Springs	Petrolia and Enniskillen
Mitchell, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, G.	Oil Springs	Petrolia and Enniskillen
Morningstar, H.M.	Oil Springs	Petrolia and Enniskillen
New Bristol Oils Limited	67 Yonge St., Toronto	Aldborough
N.Y. K. Oil (Canada) Ltd.	184½ Christina St., Sarnia	Euphemia
Ontario Lands and Oil Co. Ltd.	Petrolia	Petrolia and Enniskillen
Page, C.M.	Petrolia	Petrolia and Enniskillen
Pal Oil & Gas Co. Ltd.	Box 378, Thamesville	Aldborough
Pattinson, E.M.	Aylmer	Dover
Pope, Wm. Jr.	Bothwell	Zone
Prairie Gas & Oil Co. Ltd.	170 Bay St., Toronto 1	Dover and Raleigh
Riddell Hanna Exploration Ltd.	Port Hope	Chatham
Roth & Riggis	Petrolia	Rodney
Roth & Roth	Petrolia	Brooke and Enniskillen
Shain, Viola, Mrs.	Petrolia	Petrolia and Enniskillen
Thompson, A.	Petrolia	Petrolia and Enniskillen
Union Gas Company of Canada, Limited	48 Fifth Ave., Chatham	Grand Bend
Warwick, Jack	Bothwell	Zone
Manitoba:		
Amurex Oil Company	703-5th St. W., Calgary, Alberta	Viriden and Roselea
Banff Oil Ltd.	505-8th Ave. W., Calgary, Alberta	Viriden
Basco Petroleum Ltd.	101-412 Seymour St., Vancouver, British Columbia	Daly
Bass, Harry Oil Company	239-6th Ave. W., Calgary Alberta	Daly
Beckwith, H.D. Oil Inc.	1150 First National Bank Bldg., Denver 2, Colorado, U.S.A.	Viriden and Roselea
British American Oil Company Limited	Bay & College Sts., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Viriden
Canadian Devonian Petroleum Ltd.	1855 Rose St., Regina, Saskatchewan	Viriden and Roselea
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Viriden and Roselea
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alberta	Viriden
Clearfield Land Development Co. Ltd.	539-8th Ave. W., Calgary, Alberta	Viriden and Roselea
Dillman, Lewis Oil Properties	203 Brent Bldg., Regina, Saskatchewan	Kirkella
Dome Petroleum Limited	528-9th Ave. W., Calgary, Alberta	North Scallion, Ebor, Weld- house, Tapp and Whiteford
Eureka Oils Ltd.	176 Sutherland Ave., Winnipeg	Roselea and Viriden
Fargo Oils Ltd.	320-7th Avenue W., Calgary Alberta	Viriden and Roselea
Fosca Oil Co. Ltd.	309-7th Ave. S.W. Calgary, Alberta	Woodnorth and Daly
Great Lakes Carbon Corporation	505 Dominion Square Bldg., Montreal, Quebec	Westover
Halliburton Oil Producing Co.	Duncan, Oklahoma, U.S.A.	Various
Hegion & Atkinson Ltd.	Box 1027, Viriden	Viriden and Roselea
Imperial Oil Limited	Box 4029, Terminal A, Toronto, Ontario	Viriden
Irando Oil and Exploration Ltd.	1950 Broad St., Regina, Saskatchewan	Viriden and Roselea
Lee, Lyle	Waskada	Wildcat
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Viriden and Routledge
Owen, J.P.	Box 665, Overton, Texas, U.S.A.	Tilston
Paradise Petroleum Ltd.	Viriden	Routledge
Plymouth Oil Company	223-4th Ave., Pittsburgh 22 Penn. U.S.A.	Kirkella
Pope Oils Ltd.	Box 11, Minot, North Dakota, U.S.A.	South Scallion
Queen City Oil & Gas Co. Ltd.	203 Brent Bldg., Regina, Saskatchewan	Kirkella
Roselea Syndicate	Viriden	Viriden and Roselea
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary, Alberta	Daly
Shannon Oils Ltd.	Box 876, Brandon	North Viriden
Shell Oil Company of Canada, Limited	Box 400, Terminal A, Toronto, Ontario	Viriden and Roselea
Souris Valley Oil Co. Ltd.	308-8th Ave. S.W., Calgary, Alberta	Daly and Roselea
Sun Oil Company	Drawer 39, Calgary, Alberta	Viriden
Vallat, E.H., Ltd.	8 Michael Bldg., Calgary, Alberta	North Viriden and Scallion
West Canadian Oil & Gas Ltd.	505-8th Ave., Calgary, Alberta	Scallion

Crude Petroleum Producers, 1958 — Continued

Name	Address	Location of field
Saskatchewan:		
Alno Oils Ltd.	553-11th Ave. S.W., Calgary, Alberta	Lloydminster
Altana Exploration Co.	Box 1338, Butte, Montana, U.S.A.	Whiteside
Amerada Petroleum Corporation	622-8th Ave. W., Calgary, Alberta	Alida and Steelman
Amurex Oil Co.	703 Fifth St. W., Calgary, Alberta	Hatton, Midale and Weyburn
Anderson-Prichard Oil Corp.	Liberty Bank Bldg., Oklahoma City, Oklahoma, U.S.A.	Steelman
B.C. & M. Enterprises	912-2nd St. N.W., Minot, North Dakota U.S.A.	Hastings
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary, Alberta	Steelman
Bass, Harry, Oil Company	1150 Mercantile Dallas Bldg., Dallas 1, Texas U.S.A.	Coleville
Beaver State Wilrich Excelsior Limited	222 Tegler Bldg., Edmonton, Alberta	Lloydminster
British American Oil Co. Limited	Bay & College Sts., Toronto, Ontario	Various
Buffalo Oil Company Limited	1810 Albert St., Regina	Alameda and Manor
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Hastings and Laird
Calvan Consolidated Oil & Gas Company Ltd.	Bamlett Bldg., Calgary, Alberta	Carnduff
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary, Alberta	Various
Canadian Delhi Oil Ltd.	505-8th Ave., Calgary, Alberta	Bone Creek
Canadian Devonian Petroleums Ltd.	1855 Rose St., Regina	Steelman, Carnduff and Alameda
Canadian Export Gas Ltd.	203 Oil Exchange Bldg., Calgary Alberta ...	Florence
Canadian Kewanee Ltd.	132-9th Ave. S.W., Calgary, Alberta	Steelman
Canadian W.C. McBride Inc.	25 N. Brentwood Blvd., St. Louis, Missouri, U.S.A.	Carnduff
Canadian Oil Co. Ltd.	631-7th Ave. W., Calgary, Alberta	Weyburn
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary, Alberta	Carnduff, Midale and Alida
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary, Alberta ...	Nottingham
Canpet Exploration Ltd.	720 7th Ave. S.W., Calgary, Alberta	Nottingham
Cascade Drilling Co. Ltd.	330-9th Ave. W., Calgary, Alberta	Midale
Central Del Rio Oil Ltd.	224-9th Ave. S.W., Calgary, Alberta	Weyburn and Steelman
Champlin Oil & Refining Co.	Box 9365, Fort Worth, Texas, U.S.A.	Glen Ewen
Colorado Oil and Gas Ltd.	Oil Exchange Bldg., Calgary, Alberta	Nottingham
Commonwealth Drilling Co. Ltd.	534-8th Ave. W., Calgary, Alberta	Midale
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia..	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, British Columbia..	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Ave. D, North, Saskatoon	Smiley and Eureka
Cree Oil of Canada (1958) Ltd.	708-7th Ave. W., Calgary Alberta	Steelman
Danzker, M.H. & Associates	401 Lindsay Bldg., Winnipeg, Manitoba	Dulwich
Devon-Palmer Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Dome Petroleum Limited	528-9th Ave. W., Calgary, Alberta	Midale, Whiteside and Steelman
Donna Oils	736 Granville St., Vancouver, British Columbia	Lloydminster
Elk Oils Ltd.	Box 188, Humboldt	McLaren
Excelsior Refineries Ltd.	222 Tegler Bldg., Edmonton, Alberta	Lloydminster
Fair Oil & Gas Ltd.	809-4th St. S.W., Calgary, Alberta	Lloydminster
Fargo Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Lloydminster, Cantuar and Lone Rock
Feldman, D.D., Oil & Gas	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Cantuar, Success and Gull Lake
Felmont Oil Corporation	285 Madison Ave., New York, N.Y., U.S.A. ..	Steelman and Midale
Francona Enterprises Ltd.	5 St. James St. E., Montreal, Quebec	Alameda-Oxbow
Franco Castle No. 10 well	825 Granville St., Vancouver 2, British Columbia	Lloydminster and Lone Rock
French Petroleum Co. of Canada Ltd. ..	635-6th Ave. S.W., Calgary, Alberta	Torquay
Froman Oils Ltd.	308 Northgate Bldg., Edmonton, Alberta	Marsden
Frontier Refining Co	4040 East Louisiana Ave., Denver, Col., U.S.A.	Cantuar
Gridoil Freehold Leases Ltd.	330-9th Ave. W., Calgary, Alberta	Various
Highwood Development Limited	640-7th Ave. S.W., Calgary, Alberta	Coleville-Smiley
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Midale, Weyburn, Success, Bone Creek, Coleville and Smiley
Hudson, W.H.	810 Mercantile Dallas Bldg., Dallas, Texas, U.S.A.	Various
Husky Oil & Refining Ltd.	815-6th Ave. W., Calgary, Alberta	Lloydminster and Kindersley
Ibstone Petroleums Limited	Box 706, Saskatoon	Lloydminster
Imperial Oil Limited	Toronto, Ontario	Various
Karels & Rennle	Swift Current	Lloydminster
L.M. Oil Co. Ltd.	314 Royalite Bldg., Calgary, Alberta	Nottingham
Landa Oil Company	5738 N. Central Expressway, Dallas, Texas, U.S.A.	Midale
Liberal Petroleums Ltd.	815-6th St. W., Calgary, Alberta	Lone Rock
Lobitos Oilfields Canada Ltd.	940-8th Ave. W., Calgary, Alberta	Glen Ewen
McAlester Canadian Oil Co.	Box 210, Magnolia	Weyburn
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Various
Medallion Petroleums Ltd.	512-4th Ave. W., Calgary, Alberta	Hastings
Medhurst & Coverdale	1134-8th Ave. W., Calgary, Alberta	Silverdale
Meyers, H.	Lloydminster	Lloydminster

Crude Petroleum Producers, 1958 - Continued

Name	Address	Location of field
Saskatchewan - Concluded:		
Midwest Mining Corp. Ltd.	303 Brent Bldg., Regina	Steelman
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary, Alberta	Various
New Superior Oils of Canada Ltd.	224-9th Ave. W., Calgary, Alberta	Weyburn
Nortex Exploration Corp.	1900 Life of America Bldg., Dallas, Texas, U.S.A.	Gainsborough and Benson
North American Chemicals Ltd.	5907-102nd Ave., Edmonton, Alberta	Lloydminster and Dulwich
North American Oils Ltd.	736 Granville St., Vancouver, British Columbia	Lloydminster
North Continental Oil & Gas Corporation Ltd.	601 Leeson & Lineham Block, Calgary, Alberta	Lloydminster
Orecan Oil Ltd.	203 Brent Bldg., Regina	Steelman
P.A.T. Operators Ltd.	10166-100th St., Edmonton, Alberta	Lloydminster
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary, Alberta	Various
Phillips, Joe Ltd.	332-7th Ave. W., Calgary, Alberta	Glen Ewen
Quest Oil Syndicate	2313-25th Ave. N.W., Calgary, Alberta	Dulwich
R. & M. Oil & Gas Ltd.	10123-112th St., Edmonton	Steelman
Ranger Oil (Canada) Ltd.	505-8th Ave. W. Building, Calgary, Alberta	Various
Rex Oil & Development Co. Ltd.	401 Lindsay Bldg., Winnipeg, Manitoba	Dulwich
Ribrock Oil Ltd.	Royal Bank Bldg., Prince Albert	Lone Rock
Richfield Oil Corporation	555 South Flower St., Los Angeles, California, U.S.A.	Bone Creek
Rogers-Bailey Syndicate	North Battleford	Lloydminster
Romac Oils Ltd.	10123-112th St., Edmonton, Alberta	Carnduff
Royalite Oil Company Limited	615-2nd Ave. W., Calgary, Alberta	Coleville, Smiley and Oxbow
Rutledge, Paul F.	Box 2239, Santa Fe, New Mexico, U.S.A.	Midale
Saskatoon Petroleum	736 Granville St. Vancouver, British Columbia	Lloydminster
Shell Oil Company of Canada Ltd.	Box 400, Terminal A, Toronto 1, Ontario	Various
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Various
Sohio Petroleum Company	309-8th Ave. W., Calgary, Alberta	Various
Stekoll Oil & Gas Ltd.	Box 549, Estevan	Various
Sun Oil Company	Box 39, Calgary, Alberta	Various
Texaco Exploration Company	237-7th Ave. W., Calgary, Alberta	Kingsford
Tide Water Associated Oil Company	Royal Bank Bldg., Regina	Various
Trans-Western Oils Ltd.	307-6th Ave. S.W., Calgary, Alberta	Lone Rock and Silverdale
Triad Oil Co. Ltd.	535-7th Ave. S.W., Calgary, Alberta	Steelman
Union Oil Company of California	709-8th Ave. W., Calgary, Alberta	Various
Union Oil and Gas Corp. of Louisiana	Houston, Texas, U.S.A.	Steelman
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary, Alberta	Various
Valentia Oil Corp. Ltd.	67 Yonge St., Toronto 1, Ontario	Lloydminster-Dulwich
Viscount Oil and Gas Ltd.	303 Brent Bldg., Regina	Steelman
West Canadian Oil & Gas Ltd.	505-8th Ave. W., Calgary, Alberta	Various
Western Leaseholds Ltd.	Bamlett Bldg., Calgary, Alberta	Midale
Whitehall Canadian Oils Ltd.	Can. Bk. of Commerce Bldg., Toronto, Ontario	Various
Williston Oil & Gas Company	809-4th St., S.W., Calgary, Alberta	Various
Woodley Canadian Oil Co.	Box 1403, Houston 1, Texas, U.S.A.	Baltrum
Alberta:		
Ace Oils Ltd.	534-8th Ave. W., Calgary	Lloydminster, Saskatchewan
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Leduc-Woodbend and Acheson
Alberta Oil Incomes Limited	330-9th Ave. W., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Albrumac Oils Ltd.	436 Lougheed Bldg., Calgary	Steelman
Allied Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Alno Oils Ltd.	353-11th Ave. S.W., Calgary	Lloydminster
Ambassador Oil Corporation	F.W. Clark Bldg., Calgary	Various
Amerada Petroleum Corporation	622-8th Ave. W., Calgary	Various
American Leduc Petroleum Ltd.	107 Barry Bldg., Edmonton	Various
American Northland Oil Co.	127 Montgomery St., San Francisco, U.S.A.	Wainwright
Amurex Oil Co.	703-5th St. W., Calgary	Various
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary	Stettler, Camrose and Drumheller
Anglo Pacific Oil & Gas Ltd.	535 Howe St., Vancouver, British Columbia	Grassy Lake
Arawain Producers Ltd.	569 Howe St., Vancouver, British Columbia	Leduc-Woodbend
Armistie Oil Co. Ltd.	10044-102nd St., Edmonton	Armistie
Arrow Oil Royalties Limited	408 Superior Ave., Calgary	Turner Valley
Asamera Oil Corp. Ltd.	315-8th Ave. S.W., Calgary	Various
Atlantic Refining Co.	Box 2819, Dallas, Texas, U.S.A.	Kaybob
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Leduc
Bakke, W.E. Oil Co. Ltd.	309-8th Ave. W., Calgary	Various
Banff Oil Ltd.	505-8th Ave. Bldg., Calgary	Bellshill and Wimborne
Barons Oil Limited	601 Leeson-Lineham Bldg., Calgary	Barons
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Joarcam
Bass, Harry Oil Company	239-6th Ave. W., Calgary	Bon Accord and Bantry

Crude Petroleum Producers, 1958 — Continued

Name	Address	Location of Field
Alberta—Continued:		
Big Five Petroleum Ltd.	1001 Mobil Oil Bldg., Calgary	Leduc-Woodbend
Brinkerhoff Drilling Co. Ltd.	Bay & College Sts., Toronto	Bentley and Joffre
British American Oil Co. Ltd. ¹	900 Pacific Bldg., Calgary	Various
British Colonial No. 1 Well	604-6th Ave. S.W., Calgary	Turner Valley
Cabeen Exploration Corp.	Medical Arts Bldg., Calgary	Joffre and Nisku
California Standard Company	Bamlett Bldg., Calgary	Taber, Conrad and Princess
Calvan Consolidated Oil & Gas Company Limited	330-9th Ave., Calgary	Various
Calwin Royalties Limited .....	.....	Turner Valley
Canada-Cities Service Petroleum Corporation	Bartlesville, Oklahoma, U.S.A.	North Pembina and Keystone
Canadian Atlantic Oil Company Ltd.	800 Pacific Bldg., Calgary	Leduc
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary	Redwater Joarcam and Pembina
Canadian Chieftain Petroleum Ltd.	8631-109th St., Edmonton	Jaffre and Namao
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Various
Canadian Export Gas Ltd.	203 Oil Exchange Bldg., Calgary	Various
Canadian Fina Oil Limited	407 Bamlett Bldg., Calgary	Various
Canadian Kenwance Ltd.	132-9th Ave. S.W., Calgary	Pembina
Canadian-Montana Gas Company Ltd.	Box 1338, Butte, Montana, U.S.A.	Various
Canadian Oil Co. Ltd.	631-7th Ave. West	Various
Canadian Seaboard Oil Co.	237-7th Ave., Calgary	Various
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary	Various
Canadian Well Services Ltd.	6503-103rd St., Edmonton	Leduc-Woodbend
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary	Various
Central Del Rio Oils Ltd.	224-9th Ave. S.W., Calgary	Leduc-Woodbend
Century Oils Ltd.	601 Leeson-Lineham Bldg., Calgary	Wildcat
Century Royalties Ltd.	Anglo American Bldg., Calgary	Turner Valley
Colorado Oil & Gas Ltd.	Oil Exchange Bldg., Calgary	Various
Commoil Limited	534-8th Ave. W., Calgary	Turner Valley and Lloydminster
Commonwealth Petroleum Limited	534-8th Ave. W., Calgary	Turner Valley and Lloydminster
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia	Leduc-Woodbend
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Avenue D North Saskatoon, Sask.	Leduc-Woodbend
Cree Oil of Canada (1958) Ltd.	708-7th Ave. W., Calgary	Various
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Dalo Oil Company Ltd.	222 Tegler Bldg., Edmonton	Lloydminster
Daveroy Oil Co. Ltd.	Box 4432, Edmonton	Camrose
Dempsey Oils Ltd.	117B-8th Ave. S.W., Calgary	Leduc-Woodbend
Dernick-Guyer Inc.	505-8th Ave. S.W., Calgary	Joffre and Innisfail
Devon-Palmer Oils Ltd.	320-7th Ave. S.W., Calgary	Chauvin, Pembina, and Red Coulee
Dome Petroleum Ltd.	528-9th Ave. S.W., Calgary	Pembina and Delia
Eldon Royal American Model # 1	201 Lancaster Bldg., Calgary	Legal
Excelsior Refineries Limited	222 Tegler Bldg., Edmonton	Lloydminster
Fair Oil & Gas Ltd.	809-4th St. S.W., Calgary	Wainwright
Fargo Oils Ltd.	3207th Ave. S.W., Calgary	Wainwright, Leduc and Acadia Valley
Federal Oils Syndicate	114-7th Ave. W., Calgary	Princess
Flamingo Oils Limited	402-100 Adelaide St. W., Toronto, Ontario ..	Various
Fosca Oil Co. Ltd.	309-7th Ave. S.W., Calgary	Battle South and Wainright
French Petroleum Co. of Can. Ltd.	635-6th Ave. S.W., Calgary	Various
Froman Oils Ltd.	308 Northgate Bldg., Edmonton	Marsden
Godfrey Lehman Lloydminster Syndicate	117B-8th Ave. S.W., Calgary	Silverdale
Golden Spike Western Petroleum Ltd. ..	117B-8th Ave. S.W., Calgary	Joarcam
Granville Oils Limited	534-8th Ave. W., Calgary	Turner Valley
Great Plain's Development Company of Canada	528-9th Ave. W., Calgary	Drumheller, Leduc and Joffre
Hales Oil & Gas Limited	433-4th Ave., Calgary	Ellerslie
Hargal Oils Ltd.	800 Hall Bldg., Vancouver, British Columbia	Leduc-Woodbend
Harris Well No. 2	201 Lancaster Bldg., Calgary	Turner Valley
Henderson Oil Holdings Ltd.	512-4th Ave. W., Calgary	Kitscoty and Blackfoot
Home Oil Company Limited	304-6th Ave. W., Calgary	Various
Hudson's Bay Oil & Gas Co., Ltd.	320 Seventh Ave. W., Calgary	Various
Humber Oils Ltd.	800 Pacific Bldg., Calgary	Various
Husky Oil & Refining Ltd.	815-6th St. W., Calgary	Lloydminster Leduc, and Vale Dome
Imperial Oil Ltd.	Box 4029, Terminal A, Toronto	Various
Ireton Petroleum Ltd.	10347-71st Ave., Edmonton	Chamberlain
Kamalta Well Operators Limited	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Ltd.	6503-103rd St., Edmonton	Leduc-Woodbend
L.B. Oils Ltd.	Macdonald Hotel, Edmonton	Leduc
Leamac Petroleum Ltd.	404-6th Ave. W., Calgary	Leduc-Woodbend
Leduc Calmar Oil Co. Ltd.	321A-7th Ave. S.W., Calgary	Leduc

¹ Operated and absorption plant.

Crude Petroleum Producers, 1958 — Continued

Name	Address	Location of field
Alberta — Continued:		
Lewis, James A. Engineering Ltd.	635-6th Ave. S.W., Calgary	Pembina
Liberal Petroleum Ltd.	815-6th St. W., Calgary	Lloydminster
Lobitos Oilfields Canada Ltd.	940-8th Ave. W., Calgary	Various
Mac Oils Ltd.	11055-107th St., Edmonton	Various
Major Oil Investments Limited	306 Lancaster Bldg., Calgary	Turner Valley
Maryland Petroleum Limited	306 Lancaster Bldg., Calgary	Turner Valley
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
Medallion Petroleum Ltd.	512-4 Ave. West, Calgary	Various
Melton Petroleum Limited	212 Barry Bldg., Edmonton	Leduc and Acheson
Metro Oil & Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Midwest Oil Corporation	809-4th S.W., Calgary	Various
Miracle Oils Limited	330-9th Ave. W., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils ..	330-9th Ave. W., Calgary	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
Monarch Oils Ltd.	601 Leeson-Lineham Bldg., Calgary	Barons and Wildcat
Morgro Oil Operators Limited	Peace River	Lloydminster
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleum Ltd.	330-9th Ave. W., Calgary	Turner Valley
New Superior Oils of Canada Limited ...	224-9th Ave. W., Calgary	Various
New York Oils Ltd.	318-8th Ave. W., Calgary	Penhold
Northern Natural Gas Producing Co.	2223 Dodge St., Omaha, Nebraska, U.S.A.	Westward Ho
Northern Natural Gas Co.	2223 Dodge St., Omaha, Nebraska, U.S.A.	Pembina
Northwell Operators Limited	631-7 Ave. W., Calgary	Various
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Various
Old Settlers Oils Ltd.	302 Union Bldg., Edmonton	Various
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary	Various
Pan American Petroleum Corp.	310-9th Ave. S.W., Calgary	Various
Phillips Petroleum Company	Bartlesville, Oklahoma, U.S.A.	Various
Plymouth Oil Company	223-4th Ave., Pittsburgh, Pennsylvania, U.S.A.	Pembina
Provo Gas Producers Ltd.	528-9th Ave. W., Calgary	Hughenden and Consort
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary	Leduc and Morinville
Ranger Oil (Canada) Ltd.	505-8th Ave. West Bldg., Calgary	Various
Redwater Water Disposal Co. Ltd.	10509-81st. Ave., Edmonton	Redwater
Regal Royalties Ltd.	1742-10th Ave., Calgary	Turner Valley
Regent Refining (Canada) Ltd.	509-3rd St. W., Calgary	Leduc
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary	Turner Valley
Richfield Oil Corporation	555 South Flower St., Los Angeles 17, Cal.	Bellshill and Eckville
Romac Oils Ltd.	10123-112th St., Edmonton	Pembina
Ross Petroleum Ltd.	10168-100th St., Edmonton	Leduc and Woodbend
Royal American Oil Co. Ltd.	201 Lancaster Bldg.	Leduc - Woodbend
Royal Canadian Ventures Ltd.	580 Granville St., Vancouver, British Columbia	Turner Valley
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited ¹	Royalite Bldg., Calgary	Turner Valley
Sage Oil Company Limited	10852-82nd Ave., Edmonton	Leduc - Woodbend
Sapphire Petroleum Ltd.	11 Adelaide St., Toronto, Ontario	Leduc
Sasko-Wainwright Oil & Gas Ltd.	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	Box 287 Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Rainbow Oil Ltd.	539-8th Ave. W., Calgary	Various
Selbay Exploration Limited	901-8th Ave. W., Calgary	Joffre and Wainwright
Share Oils Limited	400 Petroleum Bldg., Calgary	Joarcam
Sharples Oil (Canada) Ltd.	1700 Broadway, Denver 2, Colorado, U.S.A.	Wildcat
Shell Oil Company of Canada, Limited ..	Box 400, Terminal A, Toronto, Ontario	Jumping Pound etc.
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Various
Skelly Oil Company	Box 1650, Tulsa, Oklahoma, U.S.A.	Various
Sohio Petroleum Company	309-8th Ave. S.W., Calgary	Wildcat
Southland Royalty Company	611 Fort Worth National Bank Bldg., Fort Worth, Texas, U.S.A.	Hays
Sterling Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Sun Oil Company	P.O. Drawer 39, Calgary	Various
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Canada Ltd.	246 Bloor St. W., Toronto, Ontario	Pembina
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Tidewater Oil Company	Box 731, Tulsa, Oklahoma, U.S.A.	Various
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary	Various
Twin Valley Oil Royalties Limited	408 Superior Ave., Calgary	Turner Valley
Union Oil Co. of California	709-8th Ave. W., Calgary	Fairydell
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary	Various
Vandoo Consolidated Explorations Ltd.	62 Richmond St. W., Toronto, Ontario	Chauvin South
Vanlorne Oils Ltd.	10852-32nd Ave., Edmonton	Leduc
Wain-Con Oils Limited	569 Howe St., Vancouver, British Columbia ..	Wainwright
Wardean Drilling Ltd.	Mobile Oil Bldg., Calgary	Acheson East
Wespac Petroleum Ltd.	718-8th Ave. W., Calgary	Whitemud
West Canadian Oil & Gas Ltd.	505-8th Ave. W., Calgary	Various

¹ Operated and absorption plant.

Crude Petroleum Producers, 1958 - Concluded

Name	Address	Location of field
Alberta - Concluded:		
Western Leaseholds Ltd.....	Bamlett Bldg., Calgary	Various
Western Petroleum Operators Limited..	306 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.....	215A-10th St., Calgary	Leduc
Whitehall Canadian Oils Ltd.....	Canadian Bank of Commerce Bldg., Toronto, Ontario.....	Leduc Alliance and Pembina
Widney Oil & Drilling Co. Ltd.....	6328-104 St., Edmonton	Leduc-Woodbend
Winalta Royalties Limited.....	330-9th Ave., Calgary	Turner Valley
Yeske Petroleum Ltd.	210 Baltzan Bldg., Edmonton	Leduc-Woodbend
British Columbia:		
Brinkerhoff Drilling Co. Ltd.	Mobil Oil Bldg., Calgary, Alberta	Bentley and Joffre
Imperial Oil Limited.....	Box 4029, Terminal A, Toronto, Ontario	Various
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary, Alberta.....	Fort St. John
Texaco Exploration Co.	237-7 Ave. W., Calgary, Alberta	Boundary Lake
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta.....	Beatton River
Union Oil Company of California	709-8th Ave. W., Calgary, Alberta.....	Various
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	56 Church St., Toronto, Ontario	Fort Norman

¹ Operated and absorption plant.

(b) THE NATURAL GAS INDUSTRY

Production of natural gas in Canada during 1958 amounted to 337,803,726 thousand cubic feet valued at \$32,057,536. These figures include the natural gas sold for domestic, industrial and other uses and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste and meter differences, was valued at a nominal wellhead price.

The expansion of transmission and distribution pipelines in central Canada increased the demand for natural gas from the western provinces. Alberta gas increased to 239 billion cubic feet from 183 billion cubic feet in 1957. British Columbia increased the production to over 63 billion cubic feet as compared with about 8 billion cubic feet in the

preceding year. The utilized natural gas from Saskatchewan wells amounted to nearly 19 billion cubic feet. Ontario natural gas increased to over 16 billion cubic feet. There was less gas produced in New Brunswick and there only a slight upward trend in the Northwest Territories.

Employed by the industry were 1,889 persons to whom \$7,015,967 were paid in salaries and wages. Fuel cost \$601,078 and 3,890,231 kwh. of electricity were purchased for \$85,901. Process supplies cost \$342,562.

Employment statistics relating to wells which produce both natural gas and crude petroleum are included in the crude petroleum industry. Firms which did not have producing wells may not have been included in this compilation.

TABLE 22. Principal Statistics for the Natural Gas Industry,¹ Significant Years, 1921 - 1958

Year	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production ²
	number				dollars		
1921	2,021	885	882,907	..	..	4,594,164	..
1929	2,298	1,953	2,275,147	41,590	..	8,555,971	..
1931	2,444	1,692	2,072,022	26,921	..	8,232,822	..
1933	2,515	1,367	1,650,815	53,994	..	7,725,951	..
1937	3,268	2,028	2,488,125	75,690	23,190	9,037,326	8,938,446
1939	3,352	1,990	2,536,220	82,877	15,520	10,732,543	10,634,146
1941	3,424	2,161	2,841,795	103,229	4,975	11,223,103	11,114,899
1944	3,621	1,810	2,885,654	188,003	13,149	9,772,357	9,571,205
1946	3,825	1,655	2,491,361	226,980	21,457	10,588,175	10,339,738
1949	3,927	2,223	4,713,266	58,960	4,552	17,582,512	17,519,000
1950	3,991	2,618	5,703,524	130,504	55,676	6,444,215	6,258,035
1951	3,985	2,658	6,491,234	126,301	48,583	6,691,223	6,516,339
1953	3,688	2,769	8,073,532	291,366	45,911	6,856,501	6,519,224
1954	3,572	2,887	8,864,662	287,009	75,395	8,286,809	7,930,405
1955	3,659	2,849	9,070,036	279,472	199,108	9,194,119	8,715,539
1956	3,484	2,947	10,617,695	575,062	269,825	9,273,891	8,429,004
1957	3,939	1,951	7,033,566	346,023	187,579	10,462,756	9,929,154
1958	3,707	1,889	7,015,967	686,979	342,562	11,635,426	10,605,885

¹ See footnote to Table 23.

² Gross value of shipments less cost of fuel, electricity and process supplies.

.. Not available.

TABLE 23. Principal Statistics for the Natural Gas Industry,¹ by Provinces, 1957 and 1958

Province	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net ¹ value of production ²
	number				dollars		
1957							
New Brunswick	49	68	227,374	6,857	8,571	183,281	167,853
Ontario	3,486	778	2,781,096	81,460	161,457	5,328,338	5,085,421
Saskatchewan	27	7	22,027	3,932	7,277	206,040	194,831
Alberta	377	1,098	4,003,069	253,774	10,274	4,745,097	4,481,049
Canada	3,939	1,951	7,033,566	346,023	187,579	10,462,756	9,929,154
1958							
New Brunswick	49	58	201,953	8,400	6,350	218,464	203,714
Ontario	3,219	724	2,479,685	384,779	320,612	5,974,755	5,269,364
Saskatchewan	20	7	19,307	2,158	7,200	132,047	122,689
Alberta	395	1,097	4,299,656	291,642	8,400	5,034,792	4,734,750
British Columbia	24	3	15,366	—	—	275,368	275,368
Canada	3,707	1,889	7,015,967	686,979	342,562	11,635,426	10,605,885

¹ Wells which produce natural gas only; if both petroleum and natural gas were produced the wells were included in the Crude Petroleum Industry.

² Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 24. Production of Natural Gas, 1949-58

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1949	60,457,177	11,620,302	1954	120,735,214	12,482,109
1950	67,822,230	6,433,041	1955	150,772,312	15,098,508
1951	79,460,667	7,158,920	1956	169,152,586	16,849,556
1952	88,686,465	9,517,638	1957	220,006,682	20,962,501
1953	100,985,923	10,877,017	1958	337,803,726	32,057,536

TABLE 25. Production of Natural Gas, by Provinces, 1949-58

Year	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	M cubic feet						
1949	375,035	8,024,213	812,916	51,179,779	—	65,234	60,457,177
1950	361,877	8,009,488	813,554	58,603,976	—	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	—	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	—	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	—	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	—	29,085	120,735,214
1955	186,549	10,852,857	6,706,743	133,007,493	—	18,670	150,772,312
1956	190,322	12,811,618	9,807,697	146,133,893	187,846	21,210	169,152,586
1957	176,417	14,400,913	13,994,347	183,140,820	8,274,942	19,243	220,006,682
1958	123,957	16,147,986	18,819,795	239,049,591	63,638,297	24,100	337,803,726

TABLE 26. Production¹ of Natural Gas, by Provinces, 1957 and 1958

Province	1957		1958	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	176,417	156,641	123,957	197,199
Ontario	14,400,913	5,328,338	16,147,986	5,974,755
Saskatchewan	13,994,347	1,368,647	18,819,795	1,881,980
Alberta	183,140,820	13,735,562	239,049,591	20,080,166
British Columbia	8,274,942	366,867	63,638,297	3,915,239
Northwest Territories	19,243	6,446	24,100	8,197
Canada	220,006,682	20,962,501	337,803,726	32,057,536

¹ Sold and used by producers.TABLE 27. Production¹ of Natural Gas, by Months and by Provinces, 1958

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada ²
	M cu. ft.					
January	11,538	2,189,132	1,662,382	21,306,486	5,766,059	30,937,476
February	11,077	2,078,276	1,715,609	20,130,250	5,260,184	29,196,932
March	11,310	2,058,604	1,703,848	21,960,115	5,793,319	31,528,723
April	10,320	984,340	1,341,909	19,401,718	5,363,645	27,103,366
May	10,427	1,026,248	1,147,920	15,193,769	5,466,289	22,845,606
June	9,491	801,634	1,057,817	13,536,703	4,426,481	19,833,422
July	8,616	608,381	1,050,877	14,361,589	4,310,102	20,341,023
August	8,701	673,723	990,137	15,879,223	4,199,479	21,753,125
September	8,701	1,070,691	1,200,941	18,178,193	4,456,287	24,917,691
October	10,342	909,839	1,642,725	22,046,909	5,550,481	30,162,501
November	9,936	1,513,714	2,323,615	26,530,911	6,435,190	36,816,586
December	13,498	2,233,404	2,982,015	30,523,725	6,610,781	42,367,275
Total	123,957	16,147,986	18,819,795	239,049,591	63,638,297	337,803,726

¹ Sales and consumption by producers.² Includes 24,100 M cu. ft. in the Northwest Territories.

TABLE 28. Production of Natural Gas in Alberta, by Fields, 1958

Field	M cu. ft.	Field	M cu. ft.
Alexander	7,536,815	Pouce Coupe North	10,917,078
Fort Saskatchewan	5,295,316	Pouce Coupe South	13,849,951
Gordondale	8,974,478	Provost	11,090,775
Jumping Pound	26,282,575	St. Albert	5,589,385
Leduc-Woodbend	11,259,487	Turner Valley	22,175,547
Medicine Hat	8,428,311	Viking Kinsella	24,233,210
Pembina	10,965,158	Other fields	47,783,767
Pendant d'Oreille	6,251,089		
Pincher Creek	18,416,649	Total Alberta	239,049,591

Note: Does not include waste gas and meter differences in the field amounting to 55 million M cu. ft. in 1958.

TABLE 29. Production of Natural Gas in Ontario, by Fields, 1958

County	Field	Producing formation	1958 M. cu. ft.
Brant	Cowal Brant Townline and Woodgreen	Salina Guelph Clinton Whirlpool Salina Guelph	49,056 18,830 110,209
Essex	Staples Kingsville-Leamington	Guelph Guelph	12,023 4,211
Halton	Action	Black River	47,201
Haldimand	Haldimand	Clinton, Grimsby Whirlpool	948,643
Lincoln			
Wentworth			
Kent			
	Dresden	Guelph	23,409
	Camden Gore	Salina	39,598
	Chatham	Salina Guelph	66,203
	Declute	Salina Guelph	31,605
	Dover	Trenton	87,313
	Wolfe	Salina	11,610
	Morpeth	Salina	850,167
	Tilbury	Salina Guelph	2,853,870
	Zone	Salina Guelph	158,725
Lambton	East Becher	Guelph	46,270
	West Becher	Salina Guelph	99,817
	Bickford	Salina Guelph	1,763,520
	Colinville	Salina Guelph	3,577,408
	Corunna	Salina Guelph	600,809
	Dawn	Salina Guelph	384,061
	Mandaumin	Guelph	250,888
	Seckerton	Salina Guelph	611,881
	Sombra	Guelph	119,488
	Moore	Salina Guelph	
	Waubuno	Salina Guelph	1,145,315
Middlesex and Elgin	Mosald	Salina	146,823
Norfolk	Norfold	Clinton, Grimsby	1,479,310
Oxford	Brownsville	Guelph	8,700
	Norwich South	Clinton	24,539
Welland	Welland	Clinton Grimsby Thorold Whirlpool	403,611
Huron	Bayfield	Guelph	172,873
Total Ontario			16,147,986

TABLE 30. Number of Gas Wells, by Provinces, 1956-58

		New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada
		number					
Productive wells at beginning of year	1956	42	3,280	17	331	—	3,670
	1957	48	3,062	25	358	—	3,493
	1958	47	3,150 ¹	20 ¹	352 ¹	14	3,583
Number of productive wells drilled	1956	3	157	1	23	—	184
	1957	1	162	3	19	—	185
	1958	—	88	—	38	2	128
Number of dry wells drilled	1956	—	217	4	8	—	229
	1957	1	213	—	7	—	221
	1958	1	22	—	6	5	34
Number of wells abandoned	1956	1	147	—	8	—	156
	1957	2	187	2	8	—	199
	1958	—	47	—	3	2	50
Productive wells at end of year	1956	44	3,062	18	346	—	3,470
	1957	47	3,273	26	369	—	3,715
	1958	47	3,191	20	387	16	3,661

¹ Adjusted.

TABLE 31. Natural Gas Pipeline Mileage, 1957 and 1958

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1957	1958	1957	1958	1957	1958	1957	1958
New Brunswick	20	20	65	65	36	36	73	73
Ontario ¹	3,712	6,692	4,863	8,640	..	..	..	..
Saskatchewan	73	73	45	45	90	90	35	35
Alberta	2,049	2,411	1,891	2,023	5,339	6,229	2,323	2,444
British Columbia	—	3	—	—	—	3	—	—
Canada	5,854	9,199	6,864	10,773	..	..	..	..

¹ Includes some pipeline owned by distributing firms.

.. Not available.

TABLE 32. Sales¹ of Manufactured and Natural Gas, 1957 and 1958

	1957			1958		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas:						
Domestic (including house heating)	356,395	9,197,671	10,271,336	28,385	3,649,411	4,196,837
Industrial	714	2,474,355	1,919,780	447	496,230	486,358
Commercial	17,085	4,281,305	4,348,930	2,992	1,583,488	1,611,278
Miscellaneous	92	1,266	21,969	75	—	9,131
Total	374,286	15,954,597	16,562,015	31,899	5,729,129	6,303,604
Natural gas:						
Domestic	589,972	61,237,933	49,315,602	952,755	75,137,525	67,573,192
Industrial	3,803	75,384,932	17,903,855	6,056	90,080,229	24,970,303
Commercial	51,431	30,979,564	15,346,243	74,028	37,802,209	20,992,102
Miscellaneous	440	1,181,027	597,866	91	3,002,392	1,410,491
Total	645,646	168,783,456	83,163,566	1,032,930	206,022,355	114,946,088
Total — All gas	1,019,932	184,738,053	99,725,581	1,064,829	211,751,484	121,249,692

¹ Sales by distributing companies to final consumers; amounts used by producers are not included.

TABLE 33. Sales of Natural Gas, by Areas, 1958

	Domestic (including house heating)	Industrial	Commercial
	M cu. ft.		
Atlantic Provinces	85, 129	—	627
Ontario and Quebec	29, 803, 215	16, 742, 451	6, 695, 349
Manitoba and Saskatchewan	6, 759, 079	12, 854, 420	4, 969, 248
Alberta	33, 165, 949	58, 770, 688	23, 941, 899
British Columbia	5, 324, 153	1, 712, 670	2, 195, 086
Canada total	75, 137, 525	90, 080, 229	37, 802, 209

TABLE 34. Employees and their Earnings in the Natural Gas Industry, 1957 and 1958

	Employees					Earnings		
	Office and administration		Workmen		Total	Office and administra- tion	Workmen	Total
	Male	Female	Male	Female				
	number					dollars		
1957								
New Brunswick	—	—	67	1	68	—	227, 374	227, 374
Ontario	54	29	651	44	778	370, 132	2, 410, 964	2, 781, 096
Saskatchewan	1	—	6	—	7	2, 100	19, 927	22, 027
Alberta	174	58	826	40	1, 098	995, 390	3, 007, 679	4, 003, 069
Canada	229	87	1, 550	85	1, 951	1, 367, 622	5, 665, 944	7, 003, 566
1958								
New Brunswick	—	—	57	1	58	—	201, 953	201, 953
Ontario	48	23	639	14	724	244, 774	2, 234, 911	2, 479, 685
Saskatchewan	1	—	6	—	7	700	18, 607	19, 307
Alberta	161	56	824	56	1, 097	999, 982	3, 299, 674	4, 299, 656
British Columbia	—	—	3	—	3	—	15, 366	15, 366
Canada	210	79	1, 529	71	1, 889	1, 245, 456	5, 770, 511	7, 015, 967

TABLE 35. Number of Workmen in the Natural Gas Industry, by Months, 1957 and 1958
(On the last work-day of each month)

Month	1957			1958		
	Male	Female	Total	Male	Female	Total
January	1, 186	78	1, 264	1, 446	88	1, 534
February	1, 132	74	1, 206	1, 401	85	1, 486
March	1, 141	75	1, 216	1, 394	87	1, 481
April	1, 271	70	1, 341	1, 582	88	1, 670
May	1, 600	78	1, 678	1, 366	51	1, 417
June	1, 698	83	1, 781	1, 456	62	1, 518
July	1, 757	92	1, 849	1, 644	73	1, 717
August	1, 812	97	1, 909	1, 661	71	1, 732
September	1, 858	94	1, 952	1, 761	70	1, 831
October	1, 885	93	1, 978	1, 697	64	1, 761
November	1, 789	91	1, 880	1, 523	64	1, 587
December	1, 382	90	1, 472	1, 294	57	1, 351
Average	1, 550	85	1, 635	1, 529	71	1, 600
Man-hours worked	3, 638, 556			3, 400, 779		

TABLE 36. Employees and their Earnings in the Natural Gas Industry, 1954-58

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number						dollars		
1954	429	259	2,161	38	2,887	6,762,532	2,038,847	6,825,815	8,864,662
1955	417	253	2,149	30	2,849	6,167,918	2,344,307	6,725,729	9,070,036
1956	370	232	2,307	38	2,947	6,083,645	2,243,160	8,374,535	10,617,695
1957	229	87	1,550	85	1,951	4,252,931	1,367,622	5,665,944	7,033,566
1958	210	79	1,529	71	1,889	3,937,647	1,245,456	5,770,511	7,015,967

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 37. Fuel and Electricity Used in the Natural Gas Industry, 1958

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian Mines	—	—
(b) Imported	—	—
Sub-bituminous coal (from Alberta mines only) short ton	750	1,875
Anthracite coal	—	—
Lignite coal	—	—
Coke (for fuel only)	—	—
Gasoline, (includes gasoline used in cars and trucks) Imp. gal.	1,020,079	366,269
Kerosene or coal oil	33,175	8,487
Fuel oil	141,601	27,373
Wood (cords of 128 cubic feet of piled wood)	—	—
Gas (a) Liquefied petroleum gases (propane, etc.) Imp. gal.	5,684	1,140
(b) Other manufactured gas	—	—
(c) Natural gas M cu. ft.	435,883	195,934
Other fuel	—	—
Electricity purchased for power and lighting kwh.	3,890,231	85,901
Electricity purchased for other purposes	—	—
Total (cost only) .....	...	686,979
Electricity generated (a) For own use	—	—
(b) For sale	—	—

... Not applicable.

TABLE 38. Power Equipment used in the Natural Gas Industry, 1958

Type of equipment	Driving generators	Not driving generators
	horsepower	
A. Prime movers		
Steam engines	—	—
Steam turbines	—	—
Diesel engines	1,850	655
Gasoline, gas and oil engines, other than diesel engines	865	10,201
Hydraulic turbines or water wheels	—	—
Total	2,715	10,856
B. Electric motors (one-quarter horsepower and over)	—	2,339

Directory of Firms in the Natural Gas Industry, 1958

Name	Address	Location of field
New Brunswick:		
Moncton Electricity & Gas Co. Ltd. ¹	700 Main St., Moncton	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
A.C. Gas Syndicate	Ridgeway	Bertie
Anchor Petroleums Ltd.	62 Richmond St. W., Toronto	Aldborough and Mosa
Anthony Gas & Oil Explorations Ltd.	191 Mill St., Action	Esquising and Guelph Twps
Barnhart, Mrs. E.	Stevensville	Bertie
Bates, Norman	Port Colborne	Humberstone
Beachville Natural Gas Syndicate ¹	Beachville	Humberstone
Beacon Syndicate	Fort Erie	
Beaver Gas	25 Highland Ave., Ridgeway	Bertie
Benner, Alvin and Jack	Sherkston	Humberstone
Benner, K.W. & Tinney	Fisherville	Fisherville
Benner, K.W.	Fisherville	Rainham
Bertie Township Gas & Oil Syndicate ...	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Bluewater Oil & Gas Ltd.	195 Dundas St., London	Bayfield and Morpeth
Bolivar Gas Company	300 Main St., Bolivar, N.Y., U.S.A.	Walsingham North
Booth, Mrs.	Niagara Falls	Willoughby and Bertie
Bova Gas & Development Co., Ltd.	1718 Hotel Statler Bldg., Buffalo 2 New York, U.S.A.	Various
Bradford Oil & Gas	Glencoe	Howard
Brae, Ben Co., Ltd.	88 Wentworth St., Hamilton	Dunn
Buck, J.L.	London	Walsingham South
Campbell, L.G.	Kingsville	Gosfield South
Cango Development Ltd.	132 Camden Ave., Buffalo 16, New York U.S.A.	Camden
Can-York Prospecting Syndicate	Fort Erie	Bertie
Caughell Bros	Dunnville	Cayuga South
Cayuga Gas Syndicate	Cayuga	Cayuga South
Central Pipe Line Company Limited ²	Aylmer West	Bayham, Houghton, Malahide and Yarmouth
Central Seneca Gas Syndicate	Cayuga	Tilbury
Cities Service Refining (Canada) Ltd. ...	170 University Ave., Toronto	
City Gas Company of London	215 Dundas St., London	Dawn
Colonial Petroleums Ltd.	630-8th Ave. S.W., Calgary, Alberta	Tilbury
Consolidated West Petroleum Ltd.	2245 Yonge St., Toronto	Oshawa, Whitby and Bowmanville
Consumers Gas Co. of Toronto ¹	19 Toronto St., Toronto 13.	Tilbury East
Continental Consolidated Mines & Oils Corp. Ltd.	1810 Broad St., Regina, Saskatchewan	
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Syndicate ²	Welland	Crowland and Humberstone
Cummings, H., & Sons	York	Seneca
D. & M. Syndicate	Fort Erie	Bertie
Danziger, E.	Welland	Humberstone
Daubarie, A.	Dunnville	Dunn
Dawson, Ralph	Merlin	Tilbury East
Deanna Lee Gas Syndicate	Finch	Bertie
Delast Mining Developments Ltd.	22 Beresford Ave., Toronto	Norfolk
Dell-Burn Gas Limited	Dunnville	Dunn, Willoughby and Crowland
Dennis, G. & Sons	Selkirk	Walpole
Deshaires, M.	Stevensville	Humberstone
Dickout Bros.	Lowbanks	Moulton
Dickson & Mercer	Hagersville	Oneida
Donolga Company	Simcoe	Walsingham North
Edmund Gas Syndicate	Port Colborne	Humberstone
Ehde, A.L.	Lowbanks	Dunn and Moulton
Ehde, J.R.L.	Leamington	Charlotteville
Elgersma, S.	Cayuga	Cayuga North
Emerson, H.L.	Dunville	Moulton, Canboro, and Wainfleet
Falls View Gas Syndicate	Fort Erie	Stamford
Felmont Oil Corporation	Rodney	Romney
Fisherville Gas Co.	Fisherville	Rainham
Fletcher, Eva	Glanford Station	Binbrook
Fox, E.S.	Welland	Thorold
George, Mrs. A.	Fort Erie	Bertie
George, F.	411 Niagara Blvd., Fort Erie	Bertie
Glenerd Ltd.	Dunnville	Walsingham South, Windham and Woodhouse
Godby, W.M.	Langton	Walsingham North

Directory of Firms in the Natural Gas Industry, 1958 — Continued

Name	Address	Location of field
Ontario — Continued:		
Grand River Gas & Oil Syndicate	Canfield	Cayuga North
Grimsby Natural Gas Company Limited....	Grimsby	Caistor, and Gainsboro
Haidon & MacDonald	Chippawa	Willoughby
Haidon L. & P.	Chippawa c/o Royal Bank	Willoughby
Haldimand Gas Syndicate	Cayuga	Various
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Hallborg, L.	Port Colborne	Humberstone
Heise & Marton Gas Syndicate	14 Church St., Welland	Welland
Hercules Gas & Oil Syndicate	368 Ridge St., Ridgeway	Moulton
Highbank Oil Limited	62 King St. W., Chatham	Raleigh
House, C.C. Estate of	Stevensville	Bertie
Imperial Oil Ltd.	Box 485 London	Various
J. & J. Gas Co	211 George St., Dunnville	Dunn
Jackson, P.L. ²	211 George St., Dunnville	Moulton, Walpole, Canboro, ga North, Rainham, Dunn and Cayuga North
Jarvis Hereford Farms	Jarvis.....	Walpole
Kinsey, L. & O.	Box 389, Dunnville	Sherbrooke
Lake Erie Gas Syndicate	Cayuga	Seneca
Lakeshore Gas Co.	Dunnville	Dunn
Lake Shore Gas Syndicate	368 Ridge St., Ridgeway	Bertie
Lapp & Arendt	Stevensville	Bertie
Lapp Estate	921 Ontario Ave., Niagara Falls	Bertie
Lejeune, Louis F.	Fort Erie	Bertie
Lincoln Natural Gas Co. Ltd.	Dunnville	Caistor, Moulton, Gainsboro and Wainfleet
Lymburner Bros. and Webber	Dunnville	Rainham
M.M. T. Syndicate	Fort Erie	Humberstone
MacAnn Wall Prospecting Syndicate	Fort Erie	Bertie
MacIntyre & Hawkins	26 Wintemute, Fort Erie	Humberstone
Maguire, J.	Clifford	Walpole and Woodhouse
McKechnie, S., Estate	Dunnville.....	Walpole
Medina Gas Syndicate	Welland	Crowland
Mehlenbacher Gas Syndicate	Cayuga	Cayuga North, Rainham, and Walpole
Myers, Paul	379 Niagara Blvd., Fort Erie	Willoughby
Minor & Luck	18 Worsley St., Barrie	Sherbrooke
Monarch Gas & Oil Syndicate	Fisherville	Walpole, Dunn and Cayuga South
Mulgrave Gas Syndicate	Stevensville	Bertie
Murdoch, Watson W.	R.R. 9, Dunnville	Dunn
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece, Wilbert & Lyle	Lowbanks	Sherbrooke
Nigh, C.	Stevensville	Willoughby
Norotto Gas Company Limited ¹	Norwich	Various
North Shore Gas Co.	Selkirk	Rainham
Noyes, L.A., Estate	Stevensville	Willoughby
Nycan Gas Co.	100 Webster St. N., Tonawanda N.Y. U.S.A.	Middleton
Palcso, John & Marr, Earl	Wainfleet	Wainfleet
Patterson & Culver	Box 92 Dunnville	Dunnville and Humberstone
Pattinson, E.	Box 126 Aylmer, Ont.	Dover
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Pearson, W.L. (in Trust)	R.R. 4, Welland	Crowland
Pegg Enterprises Ltd.	Morpeth	Morpeth
Petrol Oil & Gas Co. Ltd.	703-5th St., Calgary, Alberta	Oneida and Tuscarora
Pleasant Beach Prospecting Syndicate ..	Sherkston	Willoughby
Prairie Gas & Oil Co. Limited	170 Bay St., Toronto 1	Dover
Provincial Gas Company Limited	26 Jarvis St., Fort Erie	Various
Queenston Gas & Oil Co. Ltd.	50 Jarvis St., Fort Erie	Walsingham South, and Wood- house
Rae, Robert	1678 Kister Rd., Niagara Falls	Humberstone
Raydis Oil & Gas Company Limited	29-3rd St., Chatham	Townsend
Redisterf Gas Syndicate	Stevensville	Humberstone
Richmont Developments Ltd.	368 Ridge St., Ridgeway	Bertie, and Humberstone
Riddell & Meyers Syndicate	Fort Erie	Bertie
Riverside Syndicate	Welland	Crowland
Rocks Mills Gas Syndicate	601 Huron & Erie Bldg., London	Norwich South
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Frank Estate	Ridgeway	Bertie and Humberstone
Round, Mrs. J.S.	87 Rand St., Buffalo, N.Y., U.S.A.	Bertie

Directory of Firms in the Natural Gas Industry, 1958 — Continued

Name	Address	Location of field
Ontario — Concluded:		
Royal Gas Syndicate	Stevensville	Bertie
Ruch, K.C.	Stevensville	Bertie
Ruegg, J.A. Gas	Ridgeway	Bertie
Ruiter, T.	Port Colborne	Humberstone
Schier, F.	Stevensville	Bertie
Sherbrooke Gas Syndicate	Dunnville	Sherbrooke
Sherk & Carrothers	Sherkston	Humberstone
Sherk, Bert	Stevensville	Bertie
Sherkston Gas Syndicate	Sherkston	Humberstone and Bertie
Shurr, Ivan	Cayuga	Rainham
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Bertie and Humberstone
Sider, Ralph	Fort Erie	Moulton
Simon, B.	Chippawa	Willoughby
Sodom, L. & A. Syndicate	Ridgeway	Willoughby
Southern, J.	Sarnia	Crowland
Standard Gas & Oil Syndicate	Fisherville	Reinham and Walpole
Star Gas Syndicate	Ridgeway	Humberstone and Bertie
Steele, K.	Port Colborne	Humberstone
Stewart, Elgin	Jarvis	Woodhouse
Sunnyside Gas Syndicate	Welland Junction	Humberstone
Swayze, H.	Hagersville	Oneida
T.H. & G. Syndicate	Ridgeway	Bertie
Tri-County Gas & Oil Co. Ltd.	Norwich	Norwich South
Trio Gas Company	Dunnville	Canboro
Twin City Gas Syndicate	69 Jarvis St., Fort Erie	Willoughby
Union Gas Company of Canada Limited ..	Chatham	Various
Valencourt, A. Estate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Vandenburg, L.	Simcoe	Windham
Wale, H.	Stevensville	Humberstone
Walpole Gas Syndicate	Cayuga	Walpole
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Watson, Warwick & Huron Petroleum Ltd. ..	Box 609, Chatham	Howard
Weaver, Frank	Port Colborne	Humberstone
Webbwood Exploration Company Limited ..	62 Richmond St. W., Toronto	Tilbury West
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Dunnville	Humberstone
Wilkinson Gas Syndicate	Fort Erie	Welland
Yuez Gas Co.	732 Brisbane Bldg., Buffalo, N.Y., U.S.A. ..	Charlottesville
Zenmac Metal Mines Ltd.	200 Bay St., Toronto	Norwich South
Saskatchewan:		
Amerada Petroleum Corp.	622-8th Ave. W., Calgary, Alberta	Alida and Steelman
Amurex Oil Co.	703 Fifth St. W., Calgary, Alberta	Hatton, Midale and Weyburn
B.C. & M. Enterprises	912-2nd St. N.W. Minot, North Dakota, U.S.A.	Hastings
Bata Petroleums Ltd.	508 Credit Foncier Bldg., Vancouver 1, British Columbia	Unity
British American Oil Company Ltd.	Bay & College Sts., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Various
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary, Alberta	Various
Canadian Delhi Oil Ltd.	505-8th Ave. S. W., Calgary, Alberta	Bone Creek
Canadian Oil Companies Ltd.	631-7th Ave. W., Calgary, Alberta	Various
Champlin Oil & Refining Co.	Box 9365, Fort Worth, Texas, U.S.A.	Glen Ewen
Colorado Oil & Gas Ltd.	Oil Exchange Bldg., Calgary, Alberta	Nottingham
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, British Columbia	Lloydminster
Consolidated Co-operative Refineries Ltd.	211 Avenue D North, Saskatoon	Various
Cree Oil of Canada (1958) Ltd.	708-7th Ave. W., Calgary, Alberta	Steelman
Devon-Palmer Oils Ltd.	320-7th Ave. S. W., Calgary, Alberta	Various
Dome Petroleum Ltd.	528-9th Ave. S. W., Calgary, Alberta	Various
Feldman D.D., Oil & Gas	3200 Republic Bank Bldg., Dallas, Texas, U.S.A.	Cantuar, Success and Gull Lake
Felmont Oil Corporation	285 Madison Ave., New York 17, N.Y., U.S.A.	Steelman and Midale
Gridoil Freehold Leases Ltd.	330-9th Ave. W., Calgary, Alberta	Various
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Contour
Husky Oil & Refining Ltd.	815-6th Ave. W., Calgary, Alberta	Lloydminster, Kindersley and Midale
Imperial Oil Ltd.	Box 4029 Terminal A, Toronto, Ontario	Various
Karels & Rennie	Swift Current	Lloydminster
L. & M. Oil Company Ltd.	314 Royalite Bldg., Calgary, Alberta	Various

Directory of Firms in the Natural Gas Industry, 1958 - Continued

Name	Address	Location of field
Saskatchewan - Concluded:		
Lloydminster Gas Co. Ltd. ^{1,2}	Lloydminster	Lloydminster
Lone Rock Gas Co.	Lone Rock	Lone Rock
McAlester Canadian Oil Co.	P.O. Box 210, Magnolia Ark., U.S.A.	Weyburn
Mobil Oil of Canada Ltd.	Mobil Oil Co., Calgary, Alberta	Various
Nortex Exploration Corp.	1900 Life of America Bldg., Dallas, Texas, U.S.A.	Gainsboro and Benson
North American Oils Ltd.	736 Granville St., Vancouver 2, British Columbia	Lloydminster
Placid Oil Co.	418 Market St., Shreveport, Louisiana, U.S.A.	Nottingham
Romac Oils Ltd.	10123-112th St., Edmonton Alberta	Carnduff
Royalite Oil Company Ltd.	Royalite Bldg., Calgary, Alberta	Coleville, Smiley and Oxbow
Stekoll Oil & Gas Ltd.	Box 549, Estevan	Various
Texaco Exploration Co.,	237-7th Ave. S.W., Calgary Alberta	Kingsford
Trans-Western Oils Ltd.	307-6th Ave. S.W., Calgary Alberta	Lone Rock and Silverdale
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta	Steelman
Union Oil and Gas Corporation of Louisiana	Houston Club Bldg., Houston 2, Texas, U.S.A.	Steelman and Alameda
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary, Alberta	Various
Valentia Oil Corporation Ltd.	67 Yonge St., Toronto 1, Ontario	Lloydminster-Dulwich
West Canadian Oil & Gas Limited	505-8th Ave. S.W., Calgary, Alberta	Various
Whitehall Canadian Oils Ltd.	Can. Bank of Commerce Bldg., Toronto, Ontario	Various
Williston Oil & Gas Company	809-4th St. S.W., Calgary, Alberta	Various
Alberta:		
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton,	Various
Ajax Petroleums Ltd.	330-9th Ave., Calgary	Morinville
Alberta Clay Products Co. Ltd.	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	330-9th Ave. W., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Limited	302 Toronto General Trusts Bldg., Calgary	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Amerada Petroleum Corporation	622-8th Ave. W., Calgary	Various
American Leduc Petroleums Ltd.	107 Barry Bldg., Edmonton	Leduc and Bashaw
Amurex Oil Company	703-5th St. W., Calgary	Various
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary	Camrose, Drumheller and Leduc
Arrow Oil Royalties Limited	408 Superior Ave., Calgary	Turner Valley
Asamera Oil Corp. Ltd.	315-8th Ave. S.W., Calgary	Various
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Various
Bashaw Leduc Oil & Gas Ltd.	101 Alexandra Bldg., Edmonton	Joarcam
Bass, Harry Oil Company	239-6th Ave. W., Calgary	Bon Accord and Bantry
Beaver State Wilrich Excelsior Ltd.	222 Tegler Bldg., Edmonton	Lloydminster
Big Five Petroleums Ltd.	201 Lancaster Bldg., Calgary	Leduc and Woodbend
Bonnyville Gas Co. Ltd.	Bonnyville	Bonnyville
Bonnyville Oil & Refining Corp.	1410 Stanley St., Montreal, Quebec	Bonnyville
Britalta Petroleums Ltd.	630-8th Ave. S.W., Calgary	Vale
British American Oil Company Limited ³	Royal Bank Bldg., Toronto, Ontario	Various
British Colonial #1 Well Operators	900 Pacific Bldg., Calgary	Turner Valley
California Standard Co.	Medical Arts Bldg., Calgary	Various
Calvan Consolidated Oil & Gas Co. Ltd.	Bamlett Bldg., Calgary	Various
Calwin Royalties Limited	330-9th Ave. W., Calgary	Turner Valley
Campbell R. & Associates	8424-109th St., Edmonton	Leduc and Woodbend
Canada-Cities Service Petroleum Corporation	Bartlesville, Oklahoma, U.S.A.	Various
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary	Various
Canadian Chieftain Petroleums Ltd.	8631-109th St., Edmonton	South Joffre, Namao, and Provost
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Picardville
Canadian Export Gas Ltd.	203 Oil Exchange Bldg., Calgary	Bindloss
Canadian Fina Oil Ltd.	Bamlett Bldg., Calgary	Various
Canadian-Montana Gas Co., Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte, Pendant d'Oreille and Smith Coulee
Canadian Oil Companies Ltd.	631-7th Ave. W., Calgary	Various
Canadian Pacific Railway Co.	Montreal, Quebec	Medicine Hat
Canadian Seaboard Oil Co.	Canadian Bank of Commerce, Calgary	Various
Canadian Superior Oil of California Ltd.	627-8th Ave. W., Calgary	Various
Canadian Western Natural Gas Company Limited	140-6th Ave. W., Calgary	Brooks Bow Island and Foremost
Canadian Western Power & Fuel Co. Ltd.	Redcliff	Redcliff
Canex Gas Ltd.	203 Oil Exchange Bldg. Calgary	Various
Central-Del Rio Oils Ltd.	224-9th Ave. S.W., Calgary	Leduc-Woodbend

Directory of Firms in the Natural Gas Industry, 1958 - Continued

Name	Address	Location of field
Alberta - Continued:		
Century Royalties Ltd.	Anglo American Bldg., Calgary	Turner Valley
Colorado Oil & Gas Ltd.	Oil Exchange Bldg., Calgary	Various
Commoil Limited	534-8th Ave. W., Calgary	Turner Valley
Consumer's Co-Operative Refineries Ltd.	211 Avenue D. North, Saskatoon, Sask.	Leduc and Woodbend
Cree Oil of Canada (1958) Ltd.	708-7th Ave., Calgary	Various
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Department of National Defence Research Board	Ralston	Suffield and Wildcat
Devon-Palmer Oils Ltd.	320-7th Ave. S.W., Calgary	Chauvin, Pembina and Red Coulee
Dome Petroleum Ltd.	528-9th Ave. S. W., Calgary	Pembina and Delia
Dominion Glass Company Limited	1111 Beaver Hall Hill, Montreal Quebec ...	Medicine Hat
Elk Point Gas Co. Ltd.	Elk Point	Elk Point
Excelsior Oil Refineries Limited	222 Tegler Bldg., Edmonton	Lloydminster
French Petroleum Co. of Canada Ltd.	635-6th Ave. S.W., Calgary	Various
Godfrey Lehman Lloydminster Syndicate	117B-8th Ave. S.W., Calgary	Silverdale
Granville Oils Limited	534-8th Ave. W., Calgary	Turner Valley
Harris No. 2	201 Lancaster Bldg., Calgary	Turner Valley
Home Oil Co. Ltd.	304-6th Avenue West	Alberta
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary	Various
Humber Oils Ltd.	800 Pacific Bldg., Calgary	Various
Husky Oil & Refining Ltd.	815-6th St. W., Calgary	Various
Imperial Oil Limited	Box 4029 Terminal A, Toronto	Various
Inland Gas & Oil Co. Ltd.	36 Dominion Bank Chambers, Edmonton ...	Viking
Ireton Petroleum Ltd.	10347-71st Ave., Edmonton	Chamberlain
Kamalta #1	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Ltd.	6503-103 rd St., Edmonton	Leduc-Woodbend
Lewis, James A. Engineering Ltd.	635-6th Ave. S.W., Calgary	Pembina
Lobitos Oilfields Canada Ltd.	940-8th Ave. W., Calgary	Pembina, Keystone and Minnehik
Mac-Oils Limited	11055-107th St., Edmonton	Various
Major Oil Investments Limited	306 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Ltd.	44 Eglinton Ave., Toronto, Ontario	Medicine Hat
Maryland Petroleum Ltd.	306 Lancaster Bldg., Calgary	Turner Valley
McConset Leduc Syndicate	302-Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
Medallion Petroleum Ltd.	512-4th Ave. W., Calgary	Various
Medicine Hat, City of	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 100, Medicine Hat	Medicine Hat
Metro Oil & Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Midwest Oil Corporation	809-4th St. S.W., Calgary	Various
Mid-Western Industrial Gas Ltd.	11055-107th St., Edmonton	Fort Saskatchewan
Miracle Oils Limited	330-9th Ave. W., Calgary	Turner Valley
Miracle Royalties & Valley Oils	301 Lancaster Bldg., Calgary	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
Monarch Investments Ltd.	Box 590, Medicine Hat	Medicine Hat
Monarch Oils Ltd.	601 Leeson-Lineham Bldg., Calgary	Barons and Wildcat
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc, Turner Valley and Bonnyville
New Davies Petroleum Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
New Superior Oils of Canada Ltd.	224-9th Ave. S.W., Calgary	Various
New York Oils Ltd.	318-8th Ave. W., Calgary	Penhold
Northern Natural Gas Producing Company	2223 Dodge St., Omaha, Nebraska, U.S.A. ...	Various
Northwell Operators Limited	631-7th Ave. W., Calgary	Various
Northwestern Utilities Limited	10124-104 St., Edmonton	Viking-Kinsella
Ogilvie Flour Mills Co. Ltd.	Box 6089, Montreal, Quebec	Medicine Hat
Ohio Oil Company	539 S. Main St., Findlay, Ohio, U.S.A.	Various
Pacific Petroleum Ltd.	800 Petroleum Bldg., Calgary	Various
Pan American Petroleum Corp.	310-9th Ave. S.W., Calgary	Bonnie Glen and Pembina
Perry Brick & Tile Co. Ltd.	Redcliff	Medicine Hat
Phillips Petroleum Company	730 Adams Bldg., Bartlesville, Oklahoma, U.S.A.	Various
Plains Western Gas & Electric Co. Ltd.	9924-63rd Ave., Edmonton	St. Paul
Provo Gas Producers Ltd.	528-9th Ave. W., Calgary	Provost, and Consort
Ranger Oil (Canada) Ltd.	505-8th Ave. Bldg., Calgary	Various
Redcliff Pressed Brick Co., Ltd.	Redcliff	Medicine Hat
Redwater Oils Ltd.	Michael Bldg., Calgary	Viking
Regal Royalties Ltd.	1742-10th Ave. S.W., Calgary	Turner Valley
Renown Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model No. 2	201 Lancaster Bldg., Calgary	Turner Valley
Richfield Oil Corp.	555 South Flower St. Los Angeles 17, Cal.	Bellshill Eckville
Ross Petroleum Ltd.	10168-100th St., Edmonton	Leduc and Woodbend
Royal American Oil Co. Ltd.	201 Lancaster Bldg., Calgary	Leduc and Woodbend

Directory of Firms in the Natural Gas Industry, 1958 — Concluded

Name	Address	Location of field
Alberta — Concluded:		
Royal Canadian Ventures Ltd.	580 Granville St. Vancouver	Turner Valley
Royalite Oil Company Limited ¹	Royalite Bldg. Calgary	Turner Valley
Sarcee Petroleum Ltd.	640-7th Ave. S.W., Calgary	Bindloss
Scurry Rainbow Oil Ltd.	539 8th Ave. W., Calgary	Various
Shaw, R. Estate	Lloydminster	Lloydminster
Shell Oil Co. of Canada Ltd.	Box 400, Terminal A, Toronto 1, Ontario	Various
Sinclair Canada Oil Company	Tulsa, Oklahoma, U.S.A.	Various
Southland Royalty Company	611 Fort Worth National Bank Bldg. Fort Worth, Texas, U.S.A.	Hays
Sterling Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Suffield Gas Supply	Suffield	Suffield
Sun Oil Company	Drawer 39, Calgary	Bonnie Glen
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Canada Ltd.	246 Bloor St. W., Toronto, Ontario	Pembina
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Tilley Gas Co. Ltd.	Tilley	Tilley
Triad Oil Co. Ltd.	535-7th Ave. S.W., Calgary	Various
Twin Valley Oil Royalties Ltd.	408 Superior Ave., Calgary	Turner Valley
Union Oil Company of California	709-8th Ave. W., Calgary	Various
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary	Various
Wain-Con Oils Ltd.	569 Howe St., Vancouver, British Columbia	Wainwright
Wardean Drilling Ltd.	4 Mobil Oil Bldg. Calgary	Acheson East
Wespac Petroleum Ltd.	718-8th Ave. W., Calgary	New Pacalta and Whitemud
West Canadian Oil & Gas Ltd.	505-8th Ave. S.W., Calgary	Various
Western Chemicals Ltd.	31 Michael Bldg. Calgary	Duvernay
Western Leaseholds Ltd.	Bamlett Bldg., Calgary	Redwater
Western Petroleum Operators Limited	306 Lancaster Bldg., Calgary	Turner Valley
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ont.	Leduc, Pembina and Alliance
Widney Oil & Drilling Co. Ltd.	6328-104 St., Calgary	Leduc and Woodbend
Winalta Royalties Limited	330-9th Ave. W., Calgary	Turner Valley
Yeske Petroleum Limited	210 Baltzan Bldg., Edmonton	Leduc and Woodbend
British Columbia:		
Gulf States Oil Company of Canada	1006 Main St. Houston Texas, U.S.A.	Various
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary, Alberta	Fort St. John
Union Oil Company of California	709-8th Ave. W., Calgary, Alberta	Various
Northwest Territories:		
Imperial Oil Ltd.	Box 4029, Terminal A Toronto, Ontario	Fort Norman

¹ Distributing only.² Drilling and producing.³ Using or selling gas from absorption plant.

CATALOGUE No.

26-213

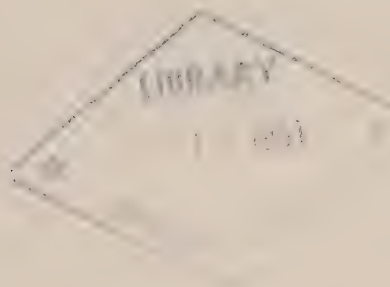
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THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1959



Published by Authority of
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THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1959

The production of crude petroleum in Canada during 1959 amounted to 184,778,497 barrels valued at \$422,092,535. Comparable figures for the preceding year were 165,496,196 barrels valued at \$398,747,818.

Alberta produced nearly 130 million barrels of oil. The oil fields in Alberta which produced in excess of 2 million barrels were, Acheson, Bonnie Glen, Fenn-Big Valley, Innisfail, Joarcam, Joffre, Keystone, Leduc-Woodbend, Pembina, Redwater, Sturgeon Lake South and Wizard Lake.

Production in Saskatchewan increased to 47.4 million barrels. The following oil fields each had an output in excess of 2 million barrels, Carnduff, Coleville-Smiley, Dollard, Fosterton, Midvale, Nottingham, Steelman, and Weyburn.

Output in Manitoba continued to decline. Fields which produced over a million barrels were Virden-Roselea and North Virden Scallion. Oil production in Ontario exceeded a million barrels. British Columbian output was over 866,000 barrels. There was small decline in the output of the wells in the Northwest Territories. Less crude petroleum was produced in New Brunswick than in the preceding year.

Production of natural gas in Canada during 1959 amounted to 417,334,527 thousand cubic feet valued at \$39,609,393. These figures include the natural gas sold for domestic, industrial and other uses and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was

valued at wholesale prices. In Alberta, the total output, less field waste, reproduction and meter differences, was valued at a nominal wellhead price.

The expansion of transmission and distribution pipelines in central Canada increased the demand for natural gas from the western provinces. Alberta gas increased to 297 billion cubic feet from 239 billion cubic feet in 1958. British Columbia increased the production to over 69 billion cubic feet as compared with over 63 billion cubic feet in the preceding year. The utilized natural gas from Saskatchewan wells amounted to over 33 billion cubic feet. Ontario natural gas increased to nearly 17 billion cubic feet. There was less gas produced in New Brunswick and there was an upward trend in the Northwest Territories.

The average number of persons employed by the industry was 6,721 to whom \$33,701,648 were paid in salaries and wages. Fuel cost, \$4,189,822 and 132,454,374 kwh. of electricity were purchased for \$3,230,663. Process supplies were valued at \$9,661,761.

The general statistics refer only to firms which have producing wells, thus some oil-prospecting and geophysical survey companies are not included.

In 1959 the principal statistics of the crude petroleum industry and the natural gas industry were combined into the crude petroleum and natural gas industry. For historical reference the data for the earlier years were recompiled and are shown in Tables 1 and 2.

**TABLE 1. Principal Statistics of the Crude Petroleum and Natural Gas Industry,
Significant Years, 1929-59**

Year	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value of production ¹
	number		dollars				
1929	4,933	4,174	6,023,836	334,944	..	12,924,345	..
1931	4,790	2,901	3,706,539	330,432	..	12,966,109	..
1933	4,640	2,085	2,424,549	190,272	..	11,288,121	..
1937	5,596	3,648	4,828,484	546,877	661,969	15,039,964	13,831,118
1939	5,741	3,770	5,104,203	789,944	740,508	21,475,520	19,945,068
1941	5,736	4,005	6,096,612	712,845	199,157	26,234,427	25,322,425
1944	5,885	4,357	8,700,330	1,188,487	255,460	25,590,715	24,146,768
1946	6,139	3,218	5,751,932	1,141,531	131,012	25,313,314	24,040,771
1949	7,093	4,365	11,017,867	658,522	390,697	78,673,640	77,624,421
1950	7,840	5,035	13,552,063	791,257	1,109,024	91,040,160	89,139,879
1951	8,746	5,843	18,010,015	1,237,267	2,148,110	123,056,952	119,671,575
1954	12,134	6,757	24,621,117	3,135,341	4,171,184	256,141,175	248,840,650
1955	14,126	6,868	26,018,298	3,568,700	5,984,143	319,860,795	310,307,952
1956	16,626	8,092	36,352,689	4,806,832	9,087,274	417,565,776	403,671,670
1957	18,885	7,821	36,302,114	5,970,451	10,691,980	465,324,929	448,662,498
1958	19,854	7,064	33,316,006	6,403,564	10,266,907	423,776,203	407,105,732
1959	21,557	6,721	33,701,648	7,420,485	9,661,761	455,516,896	438,434,650

¹ Gross value of shipments less cost of fuel, electricity and process supplies.

.. Figures not available.

**TABLE 2. Principal Statistics of the Crude Petroleum and Natural Gas Industry,
by Provinces, 1958 and 1959**

Province	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value of production
	number		dollars				
1958							
New Brunswick	68	58	201,953	8,400	6,350	218,464	203,714
Ontario	4,652	929	3,125,954	446,979	368,091	8,597,755	7,782,685
Manitoba	799	126	636,348	177,803	52,442	14,406,780	14,176,535
Saskatchewan	3,841	1,265	6,150,229	1,121,486	1,539,144	97,465,442	94,804,812
Alberta	10,211	4,432	21,634,891	4,494,135	7,293,435	297,319,377	285,531,807
British Columbia	218	251	1,546,096	144,584	999,193	5,061,922	3,918,145
Northwest Territories	65	3	20,535	10,177	8,252	706,463	688,034
Totals	19,854	7,064	33,316,006	6,403,564	10,266,907	423,776,203	407,105,732
1959							
New Brunswick	69	39	111,292	9,581	5,422	208,665	193,662
Ontario	4,603	740	2,640,762	437,934	625,998	9,710,784	8,646,852
Manitoba	796	104	537,259	149,631	41,961	11,619,575	11,427,983
Saskatchewan	4,433	1,168	6,071,517	1,376,095	1,201,187	101,037,819	98,460,537
Alberta	11,350	4,332	22,265,217	5,211,870	7,277,970	325,798,878	313,309,038
British Columbia	236	327	2,015,774	162,837	342,502	6,092,543	5,587,204
Northwest Territories	70	11	59,827	72,537	166,721	1,048,632	809,374
Totals	21,557	6,721	33,701,648	7,420,485	9,661,761	455,516,896	438,434,650

TABLE 3. Production of Crude Petroleum, by Provinces, 1958 and 1959

Province	1958		1959	
	Barrels	Value	Barrels	Value
		\$		\$
New Brunswick	15,189	21,265	14,479	20,271
Ontario	778,341	2,623,000	1,001,580	3,194,000
Manitoba	5,829,226	14,415,676	5,056,075	11,619,872
Saskatchewan	44,626,148	96,704,863	47,442,498	97,731,546
Alberta	113,277,847	283,262,592	129,967,312	306,917,803
British Columbia	512,359	1,022,156	866,234	1,583,129
Northwest Territories	457,086	698,266	430,319	1,025,914
Totals	165,496,196	398,747,818	184,778,497	422,092,535

TABLE 4. Production of Crude Petroleum, 1950-59

Year	Barrels	Value	Year	Barrels	Value
		\$			\$
1950	29,043,788	84,619,937	1955	129,440,247	305,640,036
1951	47,615,534	116,655,238	1956	171,981,413	406,561,872
1952	61,237,322	143,038,212	1957	181,848,004	453,593,620
1953	80,898,897	200,582,276	1958	165,496,196	398,747,818
1954	96,080,345	243,877,030	1959	184,778,497	422,092,535

TABLE 5. Production of Crude Petroleum, by Provinces, 1950-59

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
1950	17,137	250,655	—	1,041,098	27,548,169	—	186,729	29,043,788
1951	15,551	197,171	10,698	1,249,281	45,915,384	—	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	—	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	—	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	—	369,887	96,080,345
1955	12,548	525,510	4,145,756	11,317,168	113,035,046	—	404,219	129,440,247
1956	16,628	593,370	5,786,540	21,077,371	143,909,641	148,454	449,409	171,981,413
1957	19,401	623,666	6,089,743	36,861,089	137,492,316	340,945	420,844	181,848,004
1958	15,189	778,341	5,829,226	44,626,148	113,277,847	512,359	457,086	165,496,196
1959	14,479	1,001,580	5,056,075	47,442,498	129,967,312	866,234	430,319	184,778,497

TABLE 6. Production of Crude Petroleum, by Months, 1959

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
January	1,301	77,229	432,208	3,795,495	12,498,236	84,640	24,159	16,913,268
February	1,155	80,240	383,256	3,579,051	11,627,042	69,399	34,931	15,775,074
March	1,351	89,112	437,362	4,296,914	10,931,756	73,864	35,730	15,866,089
April	1,231	86,517	422,426	3,734,174	9,072,051	40,296	34,924	13,391,619
May	1,126	86,099	433,815	3,672,382	9,503,649	64,767	3,256	13,765,094
June	1,344	86,234	422,351	3,837,041	10,495,706	72,738	20,488	14,935,902
July	1,139	85,629	438,179	4,304,975	10,299,438	66,138	37,642	15,233,140
August	1,162	82,221	437,506	4,212,559	11,037,179	54,534	50,399	15,875,560
September	1,183	80,924	424,654	4,080,916	11,734,232	81,942	57,903	16,461,754
October	1,200	87,691	406,542	3,932,829	10,589,697	71,666	33,925	15,123,550
November	1,073	81,244	399,331	3,915,496	9,802,766	92,805	32,120	14,324,835
December	1,214	78,440	418,445	4,080,666	12,375,560	93,445	64,842	17,112,612
Totals	14,479	1,001,580	5,056,075	47,442,498	129,967,312	866,234	430,319	184,778,497

TABLE 7. Well Output of Crude Petroleum in Alberta, by Fields, 1957-59

Field	1957	1958	1959	Field	1957	1958	1959
	barrels				barrels		
Acheson	2,346,727	1,693,896	2,056,804	Kessler	7,914	6,789	4,942
Acheson East	53,452	74,752	83,898	Keystone	792,529	1,466,262	2,214,595
Alhambra	134,813	144,725	128,960	Leafland	87,937	105,059	100,941
Alliance	—	—	—	Leahurst	—	—	—
Armisie	23,148	20,554	20,803	Leduc-Woodbend	18,295,291	14,910,237	14,598,083
Bantry	51,440	89,708	160,276	Legal	44,310	46,674	45,864
Barons	29,308	30,648	26,384	Little Smoky	65,068	66,953	68,670
Bashaw	42,600	40,064	41,712	Lloydminster	894,591	645,964	642,204
Battle	95,980	75,833	63,207	Lobstick	—	—	185,525
Battle North	37,190	32,398	25,511	Malmo	694,710	675,829	589,931
Battle South	125,617	107,748	91,603	Medicine River	17,752	26,460	123,156
Baxter Lake	24,382	26,875	28,406	Morinville	41,038	19,433	16,121
Bellshill Lake	585,868	814,257	988,343	Nevis	11,389	8,298	7,971
Bentley	702,730	648,363	691,954	New Norway	331,444	231,389	242,904
Big Lake	807,162	207,664	261,726	Normandville	102,244	164,296	218,152
Bonnie Glen	8,176,121	4,225,487	5,951,008	Oberlin	42	41	21
Bonnyville	9,657	309	—	Okotoks	—	424	10,521
Bow Island	—	—	14	Paddle River	—	698	8,925
Calgary	206	316	—	Peavey	49,818	38,615	33,778
Campbell-Namoo	99,961	90,992	91,243	Pembina	37,185,478	33,093,712	34,520,314
Carbon	—	—	3,251	Pincher Creek	452,413	526,463	797,459
Carnwood	—	14,235	119,765	Princess	4,891	6,543	6,914
Carbon Creek	—	—	2,102	Provost	—	4,260	10,064
Carson Creek North	—	4,719	22,532	Red Earth	15,425	29,951	22,205
Cessford	127,732	120,841	408,555	Redwater	21,184,682	13,074,440	15,112,108
Chamberlain	9,227	9,494	6,742	Rocky Mountain House..	79,401	56,783	47,719
Chauvin	147,840	144,365	141,039	Rosebud	41,072	35,558	31,641
Chauvin South	4,135	6,554	6,505	Rycroft	1,335	581	—
Choice	—	292	19,545	St. Albert	107,074	86,592	106,582
Clive	249,967	238,148	214,900	Samson	14,310	13,372	8,851
Conrad	87,989	83,719	78,157	Sarcee	—	1,323	—
Crossfield	911	530	—	Simonette	—	5,900	46,455
Del Bonita	26,110	23,408	23,448	Skaro	—	—	5,385
Dina	12,124	10,618	10,855	Spring Coulee	3,653	2,661	3,324
Drumheller	244,813	192,566	194,861	Stettler	2,020,135	1,658,511	1,818,549
Duhamel	603,198	409,644	410,293	Stettler South	71,046	105,215	127,337
Ellerslie	25,278	11,069	7,008	Sturgeon Lake	477,683	515,035	593,337
Erskine	1,238,025	1,225,780	1,260,449	Sturgeon Lake South	2,636,989	2,893,305	3,199,001
Ewing Lake	29,406	26,651	25,740	Sundre	926,814	1,105,664	1,129,624
Excelsior	758,650	488,622	556,412	Swan Hills	740	83,962	1,717,093
Fairydell - Bon Accord	511,662	384,904	408,797	Taber	139,408	129,180	76,910
Fenn-Big Valley	7,797,735	5,571,322	6,199,976	Thompson Lake	—	96,786	139,482
Garrington	30,800	89,402	301,987	Turner Valley	1,594,881	1,458,661	1,352,518
Gilby	343,736	416,995	512,809	Virginia Hills	342	34,408	57,984
Gilby West	—	—	—	Wainwright	997,105	1,140,954	982,489
Glenevis	142,108	42,940	84,178	Waterton	8,213	2,477	2,926
Glen Park	342,563	243,619	283,552	Wayne-Rosedale	74,010	68,311	45,525
Golden Spike	2,520,680	870,879	1,758,758	West Drumheller	1,460,725	1,299,420	1,354,822
Hamilton Lake	111,974	91,538	96,310	Westerose	1,781,034	784,274	1,156,804
Harmattan East	91,261	472,774	1,087,607	Westerose South	—	—	779
Harmattan-Elkton	1,579,240	1,980,071	1,845,919	Westward Ho	444,398	491,816	470,302
Harold Lake	1,349	142	—	Whitelaw	—	—	—
Hespero	34,985	37,102	41,237	Whitemud	13,175	10,849	9,313
Homeglen Rimbey	510,985	542,716	439,079	Willesden Green	282,927	582,243	561,171
Hughenden	35,843	36,800	16,893	Wimborne	98,678	165,403	173,180
Hussar	7,548	176,136	445,775	Windfall	25,962	19,799	96,650
Innisfail	186,788	1,244,998	2,259,940	Wizard Lake	4,377,067	1,583,277	2,719,898
Joarcam	4,259,153	3,476,187	3,410,524	Yekau Lake	62,786	49,355	45,069
Joffre	3,223,567	5,367,841	6,326,789	Youngstown	27,622	45,291	52,464
Joffre South	71,230	68,388	36,038	Other areas	501,415	552,122	957,839
Judy Creek	—	—	126,762				
Jumping Pound	178,053	192,727	184,125				
Kaybob	50,323	407,244	1,203,855				
				Totals, Alberta	137,492,316	113,277,847	129,967,312

TABLE 8. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1958 and 1959

Field	1958	1959	Field	1958	1959
	barrels			barrels	
Aberfeldy	7,743	15,048	Marsden	12,371	14,550
Alameda	995,843	1,142,320	Midale	2,464,275	2,312,572
Alida	1,022,118	1,380,502	Moose Valley	—	19,615
Battrum	895,055	955,339	North Hoosier	774	10
Benson	119,578	286,649	North Premier	152,150	136,400
Bone Creek	630,944	523,344	Nottingham	2,451,278	2,460,672
Cantuar	1,184,313	998,602	Oungre	—	37,806
Carnduff	2,999,708	2,505,353	Parkman	123,119	354,276
Coleville-Smiley	2,369,061	2,529,797	Pinto	99,473	144,983
Doddsland	—	152,815	Queensdale	604,699	1,070,029
Dollard	3,121,587	4,095,848	Rapdan	99,607	72,785
Eastend	49,574	15,410	Rocanville	—	33,703
Fosterton	2,043,201	2,040,618	Steelman	11,278,609	11,247,528
Gainsborough	27,009	32,320	Success	1,585,149	1,434,348
Glen Ewen	244,273	571,759	Torquay	13,820	6,520
Gull Lake	471,720	545,354	Verlo	18,118	15,732
Hastings	586,237	791,217	Wapella	257,607	249,033
Instow	1,045,919	1,618,490	Waseca	8,641	7,291
Java	10,435	8,775	West Kingsford	—	186,273
Leon Lake	32,030	21,659	Weyburn	6,034,630	5,763,487
Lloydminster	657,621	650,753	Whiteside	150,383	138,696
Lone Rock	382,664	478,736	Willmar	123,131	94,468
McLaren	34,591	36,399	Other areas	212,857	240,469
Manor	4,233	4,145	Totals, Saskatchewan	44,626,148	47,442,498

TABLE 9. Production of Crude Petroleum in Ontario, by Fields, 1959

County	Field or pool	Township	Producing formation	Production barrels
Elgin	Crinan Rodney Wallacetown	Aldbrough Aldbrough Dunwich	Salina Columbus Dundee	265 286,116 1,915
Essex	Staples Colchester	Tilbury West Colchester South	Guelph Trenton	300 51,899
Kent	Bothwell — Thamesville Dover Richardson D'Clute Dresden Stevenson Tilbury Chatham Miscellaneous	Zone, Camden, etc. Dover Harwich Raleigh Camden, Chatham Romney Romney Chatham	Dundee Trenton Dundee Guelph Guelph Trenton Guelph Guelph	10,561 1,193 181 — 2,786 1,203 693 5,938 —
Lambton	Becher Bickford Dante Dawn Seckerton North Corunna Oakdale Oil Springs Petrolia Wanstead Warwick Sombra Colinville Kimball Seckerton Shetland Shetland Talford Waubuno Wilsoncraft	Sombra Sombra Euphemia Dawn, Sombra Moore Moore Dawn Enniskillen Enniskillen Brooke, Enniskillen Warwick Sombra Moore Moore Moore Euphemia Euphemia Moore Moore Enniskillen	Salina Guelph Dundee Salina — Guelph Guelph Salina — Guelph Dundee Dundee — Detroit River Dundee — Detroit River Guelph Guelph Guelph Salina — Guelph Salina Guelph Dundee Guelph Guelph Guelph Dundee — Detroit River	50,974 847 282 41,509 8,239 208,813 30 32,784 25,740 82,661 40,835 56 5,812 4,396 62,377 802 60 3,321 1,033 172
Middlesex	Glencoe Grand Bend Kerrwood	Mosa McGillivray Metcalfe	Dundee — Columbus Guelph Dundee — Detroit River	22,351 45,257 179
Miscellaneous				—
Total, Ontario				1,001,580

TABLE 10. Production and Sales of Natural Gasoline and Naphtha in Alberta, 1958 and 1959

	1958	1959
Production — by fields:		
Acheson	16,035	18,233
Bonnie Glen	108,439	143,856
Cessford	5,725	48,969
Hussar	—	4,493
Jumping Pound	76,379	73,861
Leduc-Woodbend	126,746	120,901
Morinville	34,895	49,666
Nevis	39,877	42,064
Pembina	60,098	359,927
Redwater	34,791	36,982
Turner Valley	475,100	496,773
Wayne Rosedale	—	1,254
Totals, Alberta	978,085	1,396,979
Transferred to oil	975,143	1,378,024
Sales	\$ 2,632,917	3,299,341

TABLE 11. Petroleum Wells, by Provinces, 1957-59

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	North-west Territories	Canada
	number							
Productive wells at beginning of year:								
1957	19	1,422	705	2,313	7,639	79	65	12,242
1958	19	1,428	791	3,085	8,473	127	65	13,988
1959	19	1,524	791	3,772	9,464	105	65	15,740
Number of productive wells drilled:								
1957	—	46	114	853	1,016	48	—	2,077
1958	—	19	50	548	1,129	31	—	1,777
1959	—	55	25	467	1,211	61	—	1,819
Number of wells abandoned:								
1957	—	40	28	81	182	—	—	331
1958	—	15	64	87	251	—	—	417
1959	—	52	33	476	298	2	—	861
Number of dry wells drilled:								
1957	—	—	58	304	361	34	—	757
1958	—	10	19	236	350	33	1	649
1959	—	19	11	597	376	31	5	1,039
Number of productive wells in operation at end of year:								
1957	19	1,428	791	3,085	8,473	127	65	13,988
1958	19	1,433	778	3,552	9,294	151	65	15,292
1959	19	1,527	783	3,763	10,377	164	65	16,698

TABLE 12. Imports of Petroleum, Asphalt and their Products, 1958 and 1959

Item	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum or asphalt, solid or not	cwt. 520,366	891,136	708,715	946,802
Asphalt oil for paving	gal. 548,927	84,660	922,602	104,429
Oil, imported by miners or mining companies, for the concentration of ores or metals	" 181,414	267,249	220,570	310,570
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60°F .....	... 273,948,487	115,288,643	277,495,191	
Petroleum tops: blends of petroleum tops or petroleum products with crude petroleum: all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° F, when imported by oil refiners to be refined	gal. 63,695,869	4,591,936	—	—
Fuel oil, ex-warehoused, for ships' stores	" 573,223	36,180	1,413,773	81,860
Aviation gasoline	" 82,725,591	16,021,346	98,913,474	17,538,376
Kerosene, lighter than .8236 specific gravity at 60° F, n.o.p.	" 10,375,317	1,215,256	20,597,125	2,346,309
Engine distillate, .8017 specific gravity or heavier at 60° F	21,566	2,927	13,139	2,984
Gasoline, lighter than .8236 specific gravity at 60° F	101,323,894	14,210,115	95,052,104	12,960,767
Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° F, when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	" 3,750	297	—	—
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	" 19,098,037	3,988,206	27,071,206	5,416,888
Lubricating oils, 25 cents and over	" 15,859,406	6,838,372	13,868,615	6,440,438
Oils, mineral, n.o.p.	" 912,352	1,108,326	719,003	929,746
Stove oil, No. 1 fuel oil	" 154,401,947	16,856,871	191,280,769	19,164,851
Light fuel oils, Nos. 2 and 3	" 246,889,388	25,331,236	311,900,014	29,574,707
Heavy fuel oils, Nos. 4, 5 and 6	" 262,043,467	16,545,012	435,213,625	23,588,643
Diesel fuel	" 58,682,479	6,116,369	56,891,796	5,492,970
Tractor fuel	—	—	—	—
Petroleum greases and lubricating greases, n.o.p. ...	lb. 15,590,765	1,944,073	16,609,865	2,138,547
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes .....	... 752,709	... 834,965		
Paraffin wax	lb. 44,193,117	2,833,063	48,221,174	2,863,650
Paraffin wax candles	" 429,636	138,023	438,829	136,772
Products of petroleum, n.o.p.	gal. 22,411,607	4,270,474	23,826,168	4,366,512
Liquefied petroleum gases	" 16,129,785	1,797,200	3,181,934	625,479
Naphtha, including solvent naphtha	" 10,995,070	2,433,003	10,188,897	2,249,336

... Figures not appropriate or not applicable.

TABLE 13. Exports of Petroleum and its Products, 1958 and 1959

Item	1958		1959	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude .....	... 73,043,757	33,362,234	74,541,292	
Oil, coal and kerosene, refined	gal. 6,586,908	818,081	5,775	1,201
Gasoline and naphtha	" 5,874,251	787,619	18,923,118	2,518,571
Fuel oil	" 15,444,131	1,593,981	31,733,018	2,886,847
Lubricating oil	" 505,227	307,409	236,972	191,198
Oil, mineral, n.o.p.	" 6,646	3,053	49,155	9,555
Wax, mineral	cwt. 3,036	38,188	3,569	38,348

TABLE 14. Canadian Crude Petroleum Supply, 1945-59

Year	Canadian production	Imports	Exports ¹	Apparent supply
barrels of 35 Imperial gallons				
1945	8,482,796	56,806,214	—	65,289,010
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,948	172,619,067
1955	129,440,247	86,792,460	14,833,971	201,398,736
1956	171,981,413	106,641,358	42,908,086	235,714,685
1957	181,848,004	111,905,473	55,674,229	238,079,248
1958	165,496,196	104,038,800	31,679,333	237,855,663
1959	184,778,497	115,288,643	33,362,234	266,704,906

¹ Exports were comparatively small prior to 1951 and may be neglected.

TABLE 15. Receipts of Crude Petroleum by Canadian Refineries, 1955-59

Year	Maritimes and Quebec	Ontario	Manitoba Saskatchewan Alberta and Northwest Territories	British Columbia and Yukon	Canada
barrels					
1955:					
Canadian	—	38,848,811	48,891,081	17,310,671	105,050,563
Imported	76,796,694	9,954,434	—	—	86,751,128
Totals	76,796,694	48,803,245	48,891,081	17,310,671	191,801,691
1956:					
Canadian	395,178	49,127,424	54,643,673	21,425,799	125,592,074
Imported	97,206,641	9,098,891	—	—	106,305,532
Totals	97,601,819	58,226,315	54,643,673	21,425,799	231,897,606
1957:					
Canadian	—	49,996,130	54,411,057	22,507,050	126,914,237
Imported	103,647,166	8,059,505	—	—	111,706,671
Totals	103,647,166	58,055,635	54,411,057	22,507,050	238,620,908
1958:					
Canadian	—	60,329,816	52,899,634	21,284,548	134,513,998
Imported	103,383,037	4,061,704	—	—	107,444,741
Totals	103,383,037	64,391,520	52,899,634	21,284,548	241,958,739
1959:					
Canadian	—	72,429,969	55,778,496	23,299,309	151,507,774
Imported	113,957,240	2,385,030	—	—	116,342,270
Totals	113,957,240	74,814,999	55,778,496	23,299,309	267,850,044

TABLE 16. World Crude Oil Production,¹ 1957-59

	1957	1958	1959 ^P
	thousands of barrels		
North America:			
Canada	181,846	165,496	184,768
Cuba ²	395	344	209
Mexico	88,266	93,533	96,393
Trinidad	34,064	37,355	40,919
United States	2,616,901	2,449,016	2,574,590
Totals	2,921,474	2,745,744	2,896,879
South America:			
Argentina	30,557	35,829	44,710
Bolivia	3,575	3,435	3,170
Brazil	10,106	18,919	23,590
Chile	4,337	5,568	6,428
Colombia	46,782	46,901	53,574
Ecuador	3,191	3,108	2,759
Netherlands Antilles	—	—	—
Peru	19,222	18,732	17,733
Puerto Rico	—	—	—
Venezuela	1,014,457	950,796	1,011,452
Totals	1,132,227	1,083,288	1,163,416
Europe:			
Albania	3,268	2,690	3,670
Austria	21,955	19,548	16,946
Bulgaria	2,095	1,632	1,460
Czechoslovakia	732	950	746
France	10,157	9,983	11,687
Germany, West	28,698	32,119	36,981
Hungary	5,127	6,325	8,012
Italy and Trieste	8,593	10,461	11,551
Netherlands	10,623	11,306	12,367
Poland	1,340	1,298	1,298
Rumania	83,327	84,490	85,247
U.S.S.R. ³	717,926	826,397	945,350
United Kingdom	606	591	621
Yugoslavia	2,797	3,267	4,188
Totals	897,244	1,011,057	1,140,124
Asia:			
Bahram	11,691	14,823	16,473
Burma	2,981	3,474	3,967
China ⁴	5,000	6,000	7,000
India	3,241	3,258	3,377
Indonesias	114,151	118,715	139,038
Iran	263,134	301,361	344,800
Iraq	163,498	266,125	311,193
Israel	394	642	925
Japan	2,243	2,563	2,852
Kuwait	416,045	509,654	504,855
Kuwait—Neutral Zone	23,259	29,469	42,438
Pakistan	2,200	2,272	2,333
Qatar	50,798	63,412	61,431
Sarawak and Brunei	41,821	39,551	40,072
Saudi Arabia	362,121	370,486	399,821
Taiwan (Formosa)	17	15	13
Turkey	2,159	2,379	2,700
Totals⁵	1,464,753	1,734,199	1,883,288
Africa:			
Algeria	101	3,315 ⁵	10,205 ⁵
Angola	71	358	361
Gabon Republic	1,207	3,550	5,295
Morocco, Southern Zone	566	560	712
Nigeria	—	1,970	4,067
United Arab Republic (Egypt Region)	16,157	21,960	21,303
Totals	18,102	31,713	41,943
Oceania:			
New Guinea	2,279	1,850	1,656
New Zealand	6	5	4 ⁴
Totals	2,285	1,855	1,660
World totals	6,436,085	6,607,856	7,127,310

¹ This table incorporates some revisions.² Natural naphtha and gas oil.³ U.S.S.R. in Asia (including Sakhalin) included with U.S.S.R. in Europe.⁴ Estimate.⁵ Including Sahara.^P Preliminary figures.

TABLE 17. Production of Natural Gas, 1950 - 59

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1950	67,822,230	6,433,041	1955	150,772,312	15,098,508
1951	79,460,667	7,158,920	1956	169,152,586	16,849,556
1952	88,686,465	9,517,638	1957	220,006,682	20,962,501
1953	100,985,923	10,877,017	1958	337,803,726	32,057,536
1954	120,735,214	12,482,109	1959	417,334,527	39,609,393

TABLE 18. Production of Natural Gas, by Provinces, 1950 - 59

Year	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	M cubic feet						
1950	361,877	8,009,488	813,554	58,603,976	—	33,335	67,822,230
1951	261,579	8,442,842	860,082	69,876,831	—	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	—	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	—	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	—	29,085	120,735,214
1955	186,549	10,852,857	6,706,743	133,007,493	—	18,670	150,772,312
1956	190,322	12,811,618	9,807,697	146,133,893	187,846	21,210	169,152,586
1957	176,417	14,400,913	13,994,347	183,140,820	8,274,942	19,243	220,006,682
1958	123,957	16,147,986	18,819,795	239,049,591	63,638,297	24,100	337,803,726
1959	117,502	16,839,236	33,612,966	297,568,926	69,128,708	67,189	417,334,527

TABLE 19. Production¹ of Natural Gas, by Provinces, 1958 and 1959

Province	1958		1959	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	123,957	197,199	117,502	188,394
Ontario	16,147,986	5,974,755	16,839,236	6,516,784
Saskatchewan	18,819,795	1,881,980	33,612,966	3,327,684
Alberta	239,049,591	20,080,166	297,568,926	24,995,790
British Columbia	63,638,297	3,915,239	69,128,708	4,558,023
Northwest Territories	24,100	8,197	67,189	22,718
Totals	337,803,726	32,057,536	417,334,527	39,609,393

¹ Sold and used by producers.

TABLE 20. Production¹ of Natural Gas, by Months and by Provinces, 1959

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada ²
	M cu. ft.					
January	13,458	2,785,586	3,323,284	31,056,690	6,489,841	43,671,883
February	13,510	1,986,162	2,809,342	26,431,771	5,642,760	36,891,926
March	14,012	1,966,791	2,819,142	25,860,328	6,134,493	36,802,903
April	10,858	1,014,340	2,581,048	23,097,860	6,006,812	32,714,235
May	10,222	918,574	2,476,045	21,832,122	5,724,000	30,963,341
June	8,617	814,320	2,293,937	18,998,676	4,914,911	27,033,535
July	7,120	522,238	2,287,906	18,488,654	4,870,333	26,184,271
August	7,220	591,629	2,356,890	20,204,131	5,190,542	28,359,136
September	7,790	993,771	2,627,713	21,381,231	4,888,352	29,907,261
October	7,981	1,181,672	3,168,332	25,889,354	5,877,815	36,127,423
November	7,853	2,005,200	3,447,932	30,152,139	6,259,988	41,877,469
December	8,861	2,058,953	3,421,395	34,175,970	7,128,861	46,801,144
Totals	117,502	16,839,236	33,612,966	297,568,926	69,128,708	417,334,527

¹ Sales and consumption by producers.² Includes 67,189 M cu. ft. in the Northwest Territories.

TABLE 21. Production of Natural Gas in Ontario, by Fields, 1959

County	Field	Producing formation	1959
			M cu. ft.
Brant	Richmond		11,873
	Cowal	Salina Guelph	24,241
	Brant	Clinton Whirlpool	36,349
	Townline and Woodgreen	Salina Guelph	67,449
Essex	Staples	Guelph	5,624
	Kingsville-Leamington	Guelph	5,696
Halton	Action	Black River	57,154
Haldimand	Haldimand	Clinton, Grimsby Whirlpool	474,334
Lincoln			
Wentworth			
Kent			
Lambton	Guilds	Salina	1,335
	Dresden	Guelph	156,251
	Camden Gore	Salina	21,202
	Chatham	Salina Guelph	83,026
	Declute	Salina Guelph	185,031
	Dover	Trenton	73,459
	Wolfe	Salina	11,405
	Morpeth	Salina	575,830
	Tilbury	Salina Guelph	3,250,818
	Zone	Salina Guelph	164,291
	East Becher	Guelph	35,716
	West Becher	Salina Guelph	399,904
	Bickford	Salina Guelph	1,670,650
Middlesex and Elgin	Kimball	Salina Guelph	4,021,520
	Corunna	Salina Guelph	82,693
	Dawn	Salina Guelph	1,868,210
	Mandaumin	Guelph	268,431
	Seckerton	Salina Guelph	280,151
	Sombra	Guelph	137,302
	Waubuno	Salina Guelph	921,834
	Mosald	Salina	198,618
	Norfolk	Clinton, Grimsby	1,140,855
	Brownsville	Guelph	6,664
Oxford	Norwich South	Clinton	24,550
Welland	Welland	Clinton Grimsby Thorold Whirlpool	363,977
Huron	Bayfield	Guelph	212,793
Total, Ontario			16,839,236

TABLE 22. Number of Gas Wells, by Provinces, 1957-59

		New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada
		number					
Productive wells at beginning of year	1957	48	3,062	25	358	—	3,493
	1958	47	3,150 ¹	20 ¹	352 ¹	14	3,583
	1959	47	3,011	19	383	16	3,476
Number of productive wells drilled	1957	1	162	3	19	—	185
	1958	—	88	—	38	2	128
	1959	—	91	—	32	5	128
Number of dry wells drilled	1957	1	213	—	7	—	221
	1958	1	22	—	6	5	34
	1959	2	43	—	9	4	58
Number of wells abandoned	1957	2	187	2	8	—	199
	1958	—	47	—	3	2	50
	1959	—	93	—	2	—	95
Productive wells at end of year	1957	47	3,273	26	369	—	3,715
	1958	47	3,191	20	387	16	3,661
	1959	47	3,009	19	413	21	3,509

¹ Adjusted.

TABLE 23. Natural Gas Pipeline Mileage, 1958 and 1959

Province	Actual miles of mains				Miles of equivalent 3" mains			
	Gathering and transmission		Distribution		Gathering and transmission		Distribution	
	1958	1959	1958	1959	1958	1959	1958	1959
New Brunswick	20	16	65	65	36	37	73	72
Ontario ¹	6,692	..	8,640	..	..	..	..	..
Saskatchewan	73	72	45	44	90	89	35	34
Alberta	2,411	2,376	2,023	2,274	6,229	6,237	2,444	2,686
British Columbia	3	3	—	—	3	3	—	—
Totals	9,199	..	10,773	..	..	..	..	..

¹ Includes some pipeline owned by distributing firms.

.. Figures not available.

TABLE 24. Sales¹ of Manufactured and Natural Gas, 1958 and 1959

	1958			1959 ²		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas:						
Domestic (including house heating)	28,385	3,649,411	4,196,837	27,592	838,288	1,441,554
Industrial	447	496,230	486,358	426	130,711	161,452
Commercial	2,992	1,583,488	1,611,278	2,970	479,998	642,922
Miscellaneous	75	—	9,131	71	—	1,530
Totals	31,899	5,729,129	6,303,604	31,059	1,448,997	2,247,458
Natural gas:						
Domestic	952,755	75,137,525	67,573,192	978,374	98,633,316	91,191,049
Industrial	6,056	90,080,229	24,970,303	6,174	139,566,528	41,286,925
Commercial	74,028	37,802,209	20,992,102	78,306	44,049,549	27,108,726
Miscellaneous	91	3,002,392	1,410,491	122	109,535	41,045
Totals	1,032,930	206,022,355	114,946,088	1,062,976	282,358,928	159,627,745
Totals, all gas	1,064,829	211,751,484	121,249,692	1,094,035	283,807,925	161,875,203

¹ Sales by distributing companies to final consumers; amounts used by producers are not included.² Data subject to revision.

TABLE 25. Sales¹ of Natural Gas, by Areas, 1959

	Domestic (including house heating)	Industrial	Commercial
	M cu. ft.		
Atlantic Provinces	80,094	—	284
Ontario and Quebec	40,420,585	37,570,251	10,267,034
Manitoba and Saskatchewan	11,454,721	21,934,920	5,253,221
Alberta	38,399,252	72,295,705	25,388,886
British Columbia	8,278,664	7,765,652	3,140,124
Totals	98,633,316	139,566,528	44,049,549

¹ Data is subject to revision.

TABLE 26. Employees and their Earnings in the Crude Petroleum and Natural Gas Industry, 1958 and 1959

	Employees					Earnings		
	Office and administration		Workmen		Total	Office and adminis- tration	Workmen	Total
	Male	Female	Male	Female				
1958	number						dollars	
New Brunswick.....	—	—	57	1	58	—	201,953	201,953
Ontario.....	98	36	781	14	929	524,709	2,601,245	3,125,954
Manitoba	27	4	95	—	126	259,135	377,213	636,348
Saskatchewan	389	70	802	4	1,265	2,514,767	3,635,462	6,150,229
Alberta.....	914	175	3,266	77	4,432	6,036,320	15,598,571	21,634,891
British Columbia	141	29	79	2	251	1,004,523	541,573	1,546,096
Northwest Territories	1	—	2	—	3	5,833	14,702	20,535
Totals	1,570	314	5,082	98	7,064	10,345,287	22,970,719	33,316,006
1959								
New Brunswick.....	4	2	33	—	39	16,416	94,876	111,292
Ontario.....	56	23	660	1	740	269,051	2,371,711	2,640,762
Manitoba	18	3	83	—	104	149,897	387,362	537,259
Saskatchewan	333	63	770	2	1,168	2,442,488	3,629,029	6,071,517
Alberta.....	771	196	3,280	85	4,332	6,025,055	16,240,162	22,265,217
British Columbia	138	23	161	5	327	974,354	1,041,420	2,015,774
Northwest Territories	9	—	2	—	11	49,323	10,504	59,827
Totals	1,329	310	4,989	93	6,721	9,926,584	23,775,064	33,701,648

TABLE 27. Employees and their Earnings in the Crude Petroleum and Natural Gas Industry, 1955 - 59

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number						dollars		
1955	1,264	414	5,135	55	6,868	16,199,091	7,323,812	18,694,486	26,018,298
1956	1,623	481	5,925	63	8,092	18,903,455	10,486,524	25,866,165	36,352,689
1957	1,599	340	5,764	118	7,821	18,726,650	9,910,576	26,391,538	36,302,114
1958	1,570	314	5,082	98	7,064	16,622,903	10,345,287	22,970,719	33,316,006
1959	1,329	310	4,989	93	6,721	14,470,594	9,926,584	23,775,064	33,701,648

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 28. Workmen, by Months, in the Crude Petroleum and Natural Gas Industry, 1958 and 1959
(Number on pay-roll on the last work-day of each month)

Month	1958			1959		
	Male	Female	Total	Male	Female	Total
January	5,153	116	5,269	4,672	89	4,761
February	5,128	113	5,241	4,677	89	4,766
March	5,016	115	5,131	4,717	86	4,803
April	4,848	116	4,964	4,668	84	4,752
May	4,816	79	4,895	5,087	93	5,180
June	4,941	90	5,031	5,195	98	5,293
July	5,170	96	5,266	5,248	99	5,347
August	5,179	93	5,272	5,199	95	5,294
September	5,357	91	5,448	5,190	93	5,283
October	5,165	86	5,251	5,125	93	5,218
November	4,987	86	5,073	4,999	90	5,089
December	4,870	80	4,950	4,791	93	4,884
Averages	5,082	98	5,180	4,989	93	5,082
Total man-hours worked	12,524,104			10,963,495		

TABLE 29. Fuel and Electricity Used in the Crude Petroleum and Natural Gas Industry, 1959

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines short ton	690	14,743
(b) Imported	—	—
Sub-bituminous coal (from Alberta mines only)..... short ton	1,996	6,445
Anthracite coal	—	—
Lignite coal short ton	2,100	12,600
Coke (for fuel only)..... “	2	46
Gasoline, (includes gasoline used in cars and trucks) Imp. gal.	5,964,642	2,310,332
Kerosene or coal oil “	19,856	5,183
Fuel oil..... “	3,892,375	896,872
Wood (cords of 128 cubic feet of piled wood)	—	—
Gas (a) Liquefied petroleum gases (propane, etc.) Imp. gal.	1,416,208	486,730
(b) Other manufactured gas	—	—
(c) Natural gas M cu. ft.	3,498,468	456,871
Other fuel .....	...	—
Electricity purchased for power and lighting kwh.	132,454,374	3,230,663
Electricity purchased for other purposes	—	—
Totals .....	...	7,420,485
Electricity generated (a) For own use kwh.	8,180,840	...
(b) For sale	—	—

... Figures not appropriate or not applicable.

Directory of Firms in the Crude Petroleum and Natural Gas Industries, 1959

Name	Address	Location of field
New Brunswick:		
Moncton Utility Gas Ltd. ¹	700 Main St., Moncton	Stoney Creek
New Brunswick Oilfields Ltd.	Box 194, Moncton	
Ontario:		
A. & C. Gas Syndicate	Ridgeway	Bertie
Able Land & Minerals Ltd.	67 Yonge St., Toronto	Aldborough
Albot Gas & Oil Ltd.	10 Adelaide St. E., Toronto	Aldborough
Aldborough Oil & Gas Co.	Rodney	Rodney
Allegany Producing Corporation	313 North Main St., Wellsville, New York, U.S.A.	Glencoe
Anchor Petroleums Ltd.	62 Richmond St. W., Toronto	Mosa
Annett, S.C.	Cairo	Euphemia
Anthony Gas & Oil Explorations	Acton	Speyside
Atkinson, J.	Petrolia	Petrolia
Ayrheart, E.J.	Oil Springs	Oil Springs
Barnhart, E.	Stevensville	Bertie
Barnes, A.G.	Petrolia	Petrolia
Bates, N.	Port Colborne	Port Colborne
Beacon Syndicate	Fort Erie	Fort Erie
Beattie, John Estate	Glencoe	Rodney
Beaver Gas (J.A. Ruegg)	Ridgeway	Bertie
Barnes, A. & J.	Sherkston	Humberstone
Benner, K.W.	Fisherville	Rainham and Walpole
Bertie Oil & Gas Ltd.	100 Adelaide St. W., Toronto	Bertie
Bertie Township Gas & Oil Syndicate	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Bluewater Oil & Gas Ltd.	312 Dundas Bldg., London	Various
Bolivar Gas Company	300 Main St., Bolivar, New York, U.S.A.	Walsingham North and South
Booth, Anna	R.R. 2, Niagara Falls	Willoughby
Bova Gas & Development Co. Ltd.	1718 Statler-Hilton Hotel, Buffalo, New York, U.S.A. ..	Charlotteville, Windham and North Walsingham
Bradley, M.	Petrolia	Petrolia
Brae, Ben Co. Ltd.	88 Wentworth St. S., Hamilton	Haldimand
Brennan, R.J.	101 Main St. Bradford, Penn., U.S.A.	Petrolia
Buck, C.S. Estate	London	Port Rowan
Byers Bros.	Oil Springs	Ennis Killen
Byers, Irving	Oil Springs	Ennis Killen
Campbell, L.G.	Box 478, Kingsville	Gosfield South
Canadian Development	60 East Mapledale, Hazel Park, Michigan, U.S.A.	Bothwell
Cango Development Ltd.	132 Camden Ave., Buffalo 16, New York, U.S.A.	Chatham
Can-York Prospecting Syndicate	Fort Erie	Bertie
Caughell Bros.	Dunnville	Dunnville
Cayuga Gas Syndicate	Cayuga	Haldimand
Central Pipe Line Co. Ltd.	Aylmer	Bayham, Houghton, and Malahide
Central Seneca Gas Syndicate	Cayuga	Haldimand
Cole, W.J.	Petrolia	Petrolia
Colonial Petroleums Ltd.	630-8th Ave. S.W., Calgary, Alberta	Dawn
Comfort, N.	102 Inshes Ave., Chatham	Tunks and Duphelte
Consolidated West Petroleum Ltd.	2245 Yonge St., Toronto 7	Romney and Tilbury East
Continental Consolidated Mines & Oils Corp. Ltd.	2-1810 Broad St., Regina, Saskatchewan	Various
Copeland, Russell	Petrolia	Petrolia
Coronation Gas Syndicate	Stevensville	Bertie
Cross Oil and Gas	Charing Cross	Harwich
Crowland Gas Ltd.	Welland	Welland
D. & M. Syndicate	Fort Erie	Bertie
Danziger, E.	Welland	Thorold
Daubaris, F.	Dunnville	Dunn
Dawson, R.	Merlin	Tilbury
Deanna Lee Gas Syndicate	Finch	Bertie
Dell-Burn Gas Ltd.	Dunnville	Welland
De Mers, Victor E.	Petrolia	Oil Springs and Petrolia
Dennis, G.A. & Sons	Selkirk	Selkirk
Deshaies, M.	Stevensville	Humberstone
Dickout Bros.	Lowbanks	Moulton
Donald, George, Estate	Oil Springs	Oil Springs
Donald, R.	Petrolia	Petrolia
Donalga Company	Simcoe	Langton
Dutch Old Explorations Ltd.	Sarnia	Ennis Killen
Edmund Gas Syndicate	Port Colborne	Humberstone
Edward, F.H.	Petrolia	Petrolia
Eede, Dr. John R.L.	Windsor	Norfolk
Ehde, Arthur L.	Lowbanks	Moulton
Elgersma, M.	Cayuga	Cayuga
Emerson, H.L.	Dunnville	Moulton, Canboro, and Wainfleet
Fairbank, J.H. Estate	Petrolia	Oil Springs
Felmont Oil Corporation	Rodney	Aldborough
Fisherville Gas Company	Fisherville	Rainham
Fleet Manufacturing Ltd.	Fort Erie	Bertie
Fletcher, Eva	Glanford Station	Binbrook
Fox, Edward S.	Welland	Thorold
Freer, John	Kerrwood	Medcalfe
George, A.	Fort Erie	Bertie
George, F.	Fort Erie	Bertie
Glenerd Ltd.	Dunnville	Norfolk
Godby, W.M.	Longton	Walsingham North
Grand River Gas & Oil Syndicate	Canfield	Cayuga North
Greenacres Syndicate	Fort Erie	Fort Erie
Grimsby Natural Gas Company Limited	Grimsby	Caistor, and Gainsboro

¹ Distributing only.

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1959 — Continued

Name	Address	Location of field
Ontario — Continued:		
Haidon & MacDonald	Chippawa	Willoughby
Haidon L. & P.	Chippawa c/o Royal Bank	Willoughby
Haldimand Gas Syndicate	Cayuga	Various
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Hallborg, L.	Port Colborne	Humberstone
Heise & Marton Gas Syndicate	14 Church St., Welland	Welland
Hercules Gas Syndicate	368 Ridge St., Ridgeway	Moulton
Highbank Oil Limited	62 King St. W., Chatham	Raleigh
Holmes, E.B.	Bothwell	Bothwell
House, C.C. Estate	Ridgeway	Bertie
Hussey, Hussey & Saul	Petrolia	Ennis Killen
Imperial Oil Ltd.	Box 485 London	Various
J. & J. Gas Co.	211 George St., Dunnville	Dunn
Jackson, P.L.	211 George St., Dunnville	Moulton, Woodhouse, Canboro, Cayuga North, Rainham, Dunn and Cayuga S.
Jarvis Hereford Farms	Jarvis	Walpole
Jewell & Morningstar	Oil Springs	Ennis Killen
Kane, O. & E.	Bothwell	Mosa
Kells, Ernest E.	Petrolia	Ennis Killen
Keradec Petroleum Ltd.	80 King St. W., Toronto 1	Chatham and Camden Gore
Kerr, J. & J. Co. Ltd.	Petrolia	Ennis Killen
Kinsey, O. & L. Estate	Dunnville	Haldimand
Kodyen, E.A.	Bothwell	Zone
Lakeshore Gas Co.	Dunnville	Dunn
Lake Shore Gas & Oil Syndicate	368 Ridge St., Ridgeway	Bertie
Lapp Estate	Niagara Falls	Bertie
Lejeune, Louis F.	Fort Erie	Bertie
Lewis, C.B.	Ennis Killen	Petrolia and Ennis Killen
Lewis, W.G.	Oil Springs	Ennis Killen
Linda Lee Syndicate	Ridgeway	Bertie, Willoughby and Crowland
Long Point Gas & Oil Ltd. and Translake Drilling Ltd.	Simcoe	Norfolk and Welland
Lymburner Bros. and Webber	Dunnville	Rainham
M.M.T. Syndicate	Fort Erie	Humberstone
MacAnn Wall Prospecting Syndicate	Fort Erie	Bertie
MacGillivray, Margaret	Oil Springs	Oil Springs
MacIntyre & Hawkins	26 Wintemute, Fort Erie	Humberstone
Maguire, J.	Clifford	Walpole and Woodhouse
Marcus, Louis A.	Wallacetown	Dunwich
McCrie, R.D.	Bothwell	Euphemia
McKechnie, Sam Estate	Dunnville	Walpole
McPherson, Ross Lionel Drilling Ltd.	88 Thompson Blvd. Riverside	Warwick
Medina Gas Syndicate	Welland	Crowland
Mehlenbacher Gas Syndicate	Cayuga	Cayuga North, Rainham, and Walpole
Myers, Paul	379 Niagara Blvd., Fort Erie	Willoughby
Minor & Luck	Dundas	Sherbrooke
Mitchell, Charles	Oil Springs	Oil Springs
Mitchell, Gerald	Oil Springs	Ennis Killen
Monarch Gas & Oil Syndicate	Fisherville	Walpole
Morningstar, George	Oil Springs	Ennis Killen
Morningstar, H.M.	Oil Springs	Oil Springs
Morrison, Doris E.	Langton	Walsingham North
Mulgrave Gas Syndicate	Stevensville	Bertie
Murdoch, Watson W.	R.R. 9 Dunnville	Dunn
N.Y.K. Oil (Canada) Ltd.	Oil Springs	Euphemia
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece, Wilbert & Lyle	Lowbanks	Sherbrooke
Nigh, C.	Stevensville	Willoughby
Norgas Development Ltd.	Simcoe	Charlottetown
Norotto Gas Company Limited ¹	Norwich	Various
North Shore Gas Co.	Selkirk	Rainham
Noyes, L.A., Estate	Stevensville	Willoughby
Nycan Gas Co.	100 Webster St. N., Tonawanda N.Y., U.S.A.	Middleton
Offshore Gas & Oil Corp. Ltd.	121 Richmond St. W., Toronto 1	Long Point Bay
Ontario Land & Oil Co. Ltd.	Petrolia	Petrolia
Pal Oil & Gas Co. Ltd.	Rodney	Aldborough
Palco, John & Marr, Earl	Wainfleet	Wainfleet
Patterson & Culver	Box 92 Dunnville	Moulton and Humberstone
Pattinson, E.	Box 520 Aylmer	Dover
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Pearson, W.L. (in Trust)	R.R. 4, Welland	Crowland
Pegg Enterprises Ltd.	Morpeth	Morpeth
Petrol Oil & Gas Co. Ltd.	703-5th St., Calgary, Alberta	Oneida and Tuscarora
Place Gas & Oil Co. Ltd.	902-11 Adelaide St. W., Toronto	Colchester and Walpole
Pléasant Beach Gas Syndicate	Sherkston	Willoughby
Pope, W.	Bothwell	Camden and Zone
Powell, S.G.	Dunnville	Dunnville
Prairie Gas & Oil Co. Limited	170 Bay St., Toronto 1	Dover and Raleigh
Provincial Gas Company Limited	Fort Erie	Various
Putman and Putman	Kingsville	Raleigh and Gosfield South
Queenston Gas & Oil Co. Ltd.	Fort Erie	Walsingham South
Rae, Robert	1678 Kister Rd., Niagara Falls	Humberstone
Redick, N.	Petrolia	Petrolia
Redistert Gas Syndicate	Stevensville	Humberstone
Richmont Developments Ltd.	368 Ridge St., Ridgeway	Bertie and Humberstone
Riddell-Hanna Explorations Ltd.	Fort Hope	Chatham
Riddel & Meyers Syndicate	Fort Erie	Bertie
Riverside Syndicate	Welland	Crowland

¹ Distributing only.

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1959 — Continued

Name	Address	Location of field
Ontario—Concluded:		
Rocks Mills Gas Syndicate	601 Huron & Erie Bldg., London	Norwich South
Romney Gas & Oil Co. Ltd.	18 Toronto St., Toronto	Wainfleet
Roth, Roth & Riggin Ltd.	Petrolia	Aldborough
Roth & Roth Ltd.	Petrolia	Brooke and Ennis Killen
Roth, Frank Estate	Ridgeway	Bertie & Humberstone
Round, Josephine	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruch, K.C.	Stevensville	Bertie
Ruiter, T.	Port Colborne	Humberstone
Schier, F.	Stevensville	Bertie
Shain, Viola May	Petrolia	Ennis Killen
Shamblaw, W.M.	Kerrwood	Metcalfe
Sherbrooke Gas Syndicate	Dunnville	Sherbrooke
Sherk, Bert	Stevensville	Bertie
Sherkston Gas Syndicate	Sherkston	Humberstone and Bertie
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Bertie and Humberstone
Sider, Ralph	Fort Erie	Moulton
Simon, B.	Chippawa	Willoughby
Sodom, L. & A. Syndicate	Ridgeway	Willoughby
Southern, J.	Sarnia	Crowland
Standard Gas & Oil Syndicate	Fisherville	Reinham and Walpole
Stanwell Oil & Gas Ltd.	62 Richmond St. W., Toronto	Sombra
Star Gas Syndicate	Ridgeway	Humberstone and Bertie
Steele, K.	Port Colborne	Humberstone
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin	Jarvis	Woodhouse
Submarine Oil & Gas Ltd.	50 King St. W., Toronto	Raleigh
Sunnyside Gas Syndicate	Welland Junction	Humberstone
Swayze, H.	Hagersville	Oneida
T.H. & G. Syndicate	Ridgeway	Bertie
Thompson, Arnold	Petrolia	Ennis Killen
Tri-County Gas & Oil Co. Ltd.	Woodstock	Norwich South
Trio Gas Company	Dunnville	Canboro
Troden, A.C.	660 Washington Rd., Grosse Pointe, Michigan, U.S.A.	Dawn
Tunks, James	Bothwell	Zone
Twin City Gas Syndicate	69 Jarvis St., Fort Erie	Willoughby
Union Gas Company of Canada Limited	Chatham	Various
Valencourt, A. Estate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Vandenburg, L.	Simcoe	Windham
Wainfleet Oil & Gas Ltd.	100 Adelaide St. W., Toronto	Wainfleet and Willoughby
Wale, H.	Stevensville	Humberstone
Walpole Gas Syndicate	Cayuga	Walpole, Walsingham, and Oneida
Warren Gas Syndicate	Cayuga	Bayham and Dereham
Warwick, Jack	Bothwell	Zone
Watson, Warwick & Huron Petroleum Ltd.	Chatham	Howard
Weaver, Frank	Port Colborne	Humberstone
Webbwood Exploration Company Limited	62 Richmond St. W., Toronto	Tilbury West
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Dunnville	Humberstone
Westwood & Gemmell	Thamesville	Camden
Wilkinson Gas Syndicate	Fort Erie	Thorold
Yerks, Frank	Petrolia	Petrolia
York Producing Company	Bollivar, New York, U.S.A.	Chatham
Yuez Gas Company	732 Brisbane Bldg., Buffalo, U.S.A.	Charlotteville
Zennac Metal Mines Ltd.	200 Bay St., Toronto	Morpeth and Thamesville
Manitoba:		
Amurex Oil Company	703-5th St. W., Calgary, Alberta	Viriden and Roselea
Banff Oil Ltd.	505-8th Ave. W., Calgary, Alberta	Viriden
Basco Petroleum Ltd.	706-7th Ave. S.W., Calgary, Alberta	Viriden
Bass, Harry Oil Company	239-6th Ave. W., Calgary, Alberta	Daly
British American Oil Company Limited	800 Bay St., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Viriden
Canadian Devonian Petroleum Ltd.	1855 Rose St., Regina, Saskatchewan	Viriden, Roselea, and Routledge
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Viriden, Roselea, and Scallion
Canadian Superior Oil of California Ltd.	703-6th Ave. S.W., Calgary, Alberta	Various
Dillman Oil Properties	203 Brent Bldg., Regina, Saskatchewan	Kirkella
Dome Petroleum Limited	706-7th Ave. S.W., Calgary, Alberta	Viriden, Ebor and Hargrave
Eureka Oils Ltd.	176 Sutherland Ave., Winnipeg	Roselea and Viriden
Fargo Oils Ltd.	140-6th Ave., S.W., Calgary, Alberta	Viriden and Roselea
Fosca Oil Co. Ltd.	309-7th Ave. S.W., Calgary, Alberta	Woodnorth and Daly
Great Lakes Carbon Corporation	18 E 48th St., New York, N.Y., U.S.A.	Westover
Great Sweet Grass Oils Ltd.	59 E 54th St., New York, N.Y., U.S.A.	Tilston, Pierson and Whitewater
Halliburton Oil Producing Co.	2915 Classen Blvd., Oklahoma City, Oklahoma, U.S.A.	Routledge and West Routledge
Hegion & Associates Ltd.	Box 1027, Viriden	Viriden and Roselea
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Irando Oil and Exploration Ltd.	1950 Broad St., Regina, Saskatchewan	Viriden and Roselea
Kranz Oil Ltd.	Box 113, Viriden	Viriden
Landa Oil Company	5738 North Central Expressway Dallas, Texas, U.S.A.	Daly and Roselea
Lee, Lyle	Waskada	Wildcat
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Viriden and Routledge
Merit Oil Ltd.	635-6th Ave. W., Calgary, Alberta	North Viriden
Owen, J.P.	Box 1423, Oil Centre Station, Lafayette, Louisiana, U.S.A.	Tilston
Paradise Petroleum Ltd.	Box 2, Viriden	Routledge
Peacock Exploration Ltd.	Hamilton Bldg., Winnipeg	Viriden
Plymouth Oil Company	223-4th Ave., Pittsburgh 22 Penn. U.S.A.	Kirkella
Pope Oils Ltd.	Box 11, Minot, North Dakota, U.S.A.	South Scallion
Roselea Syndicate	Viriden	Viriden and Roselea
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary, Alberta	Daly

Directory of Firms in the Crude Petroleum and Natural Gas Industries, 1959 — Continued

Name	Address	Location of field
Manitoba — Concluded:		
Shannon Oils Ltd.	Box 876, Brandon	North Virden
Shell Oil Company of Canada, Limited	Box 400, Terminal A, Toronto, Ontario	Virden and Roselea
Sun Oil Company	Drawer 39, Calgary, Alberta	Virden
Thunderbird Oils Ltd.	201 Lancaster Bldg., Calgary, Alberta	Virden
Vallat, E.H., Ltd.	8 Michael Bldg., Calgary, Alberta	North Virden and Scallion
West Canadian Oil & Gas Ltd.	505-8th Ave., Calgary, Alberta	Scallion
Saskatchewan:		
Agawam Oil Co. Ltd.	Box 830, Regina	Benson
Albrumac Oils Ltd.	Alberta Wheat Pool Bldg., Calgary, Alberta	Steelman
Alminex Ltd.	320 Bay St., Toronto 1, Ontario	Milton
Alno Oils Ltd.	353-11th Ave. S.W., Calgary, Alberta	Lloydminster
Aisask Oil & Gas Ltd.	10123-112th St., Edmonton, Alberta	Carnduff
Altair Oil & Gas Co.	627-8th Ave. S.W., Calgary, Alberta	Alameda
Altana Exploration Co.	Box 1338, Butte, Montana, U.S.A.	Whiteside and Kiyu Lake
Amerada Petroleum Corp.	703-6th Ave. W., Calgary, Alberta	Alida, Steelman and Queensdale
Amurex Oil Co.	703 Fifth St. W., Calgary, Alberta	Hatton, Midale and Weyburn
Anderson-Pritchard Oil Corporation	1000 Liberty Bank Bldg., Oklahoma City, Oklahoma, U.S.A.	Steelman and Midale
B.C. & M. Enterprises	912-2nd St. N.W., Minot, North Dakota, U.S.A.	Hastings
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. S.W., Calgary, Alberta	Steelman
Bass, Harry Oil Company	239-6th Ave. W., Calgary, Alberta	Coleville
Bata Petroleums Ltd.	508 Credit Foncier Bldg., Vancouver 1, British Columbia	
Beaver State Wilrich Excelsior Ltd.	222 Tegler Bldg., Edmonton, Alberta	Lloydminster
Brehm Petroleums Ltd.	Box 618, Mt. Vernon, Illinois, U.S.A.	Midale
British American Oil Company Ltd.	800 Bay St., Toronto, Ontario	Various
Buffalo Oil Co. Ltd.	1810 Albert St., Regina	Alameda and Manor
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Various
Calvan Consolidated Oils & Gas Co. Ltd.	Bamlett Bldg., Calgary, Alberta	Carnduff
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary, Alberta	Various
Canadian Delhi Oil Ltd.	505-8th Ave. S.W., Calgary, Alberta	Bone Creek and Instow
Canadian Devonian Petroleums Ltd.	1855 Rose St., Regina	Carnduff and Steelman
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Various
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary, Alberta	Various
Canadian Kewanee Ltd.	805-8th Ave. S.W., Calgary, Alberta	Steelman
Canadian Kodiak Refineries Ltd.	222 Tegler Bldg., Edmonton, Alberta	Lloydminster
Canadian Oil Companies Ltd.	631-7th Ave. W., Calgary, Alberta	Various
Canadian Seaboard Oil Co.	237-7th Ave. W., Calgary, Alberta	Fusilier
Canadian Superior Oil of California Ltd.	703-6th Ave. W., Calgary, Alberta	Various
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Carnduff
Canpet Exploration Ltd.	720-7th Ave. S.W., Calgary, Alberta	Nottingham
Cascade Drilling Co. Ltd.	330-9th Ave. W., Calgary, Alberta	Midale
Ceepee Oil Co. Ltd.	Derrick Bldg., Regina	Various
Central Del Rio Oil Ltd.	224-9th Ave. S.W., Calgary, Alberta	Weyburn
Champlin Oil & Refining Co.	318-8th Ave., Calgary, Alberta	Glen Ewen
Colorado Oil and Gas Ltd.	Oil Exchange Bldg., Calgary, Alberta	Nottingham
Commonwealth Drilling Co. Ltd.	706-7th Ave. S.W., Calgary, Alberta	Halbrite and Kingsford
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Consolidated Peak Oils Ltd.	569 Howe St., Vancouver, British Columbia	Lloydminster
Consumers' Co-operative Refineries Ltd.	211 Ave. D, North, Saskatoon	Smiley and Eureka
Cree Oil of Canada (1958) Ltd.	708-7th Ave. W., Calgary, Alberta	Steelman
Danzker, M.H. & Associates	401 Lindsay Bldg., Winnipeg, Manitoba	Dulwich
Devon-Palmer Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Dillman Oil Properties Ltd.	203 Brent Bldg., Regina	Various
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary, Alberta	Various
Donna Oils	602 West Hastings St., Vancouver 2, British Columbia	Lloydminster
Elk Oils Ltd.	Box 188, Humbolt	McLaren
Fair Petroleums	Lloydminster	Lloydminster
Fargo Oils Ltd.	140-6th Ave., S.W., Calgary, Alberta	Lloydminster, Cantuar and Lone Rock
Felmont Oil Corporation	Box 1855 Midland, Texas, U.S.A.	Steelman and Midale
Fraben Oil Corporation	440 Meadows Bldg., Dallas 6, Texas, U.S.A.	Various
Francana Oil & Gas Ltd.	5 St. James St. E., Montreal, Quebec	Various
Franco Castle No. 10 well	825 Granville St., Vancouver 2, British Columbia	Lloydminster and Lone Rock
French Petroleum Co. of Canada Ltd.	635-6th Ave. S.W., Calgary, Alberta	Torquay
Frontier Refining Co.	4040 East Louisiana Ave., Denver, Col., U.S.A.	Steelman
General American Oils Ltd.	Meadows Bldg., Dallas 6, Texas, U.S.A.	Coleville
Gridoil Freehold Leases Ltd.	330-9th Ave. W., Calgary, Alberta	Various
Howe, Irvin MacDonald	110 Sugnet Rd., Midland, Michigan, U.S.A.	Midale
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Midale, Weyburn, Success, Bone Creek, Coleville and Smiley
Hudson, W.H.	810 Mercantile Dallas Bldg., Dallas, Texas, U.S.A.	Rocanville
Husky Oil & Refining Ltd.	815-6th Ave. W., Calgary, Alberta	Midale, Lloydminster and Kindersley
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Karels & Rennie	Swift Current	Lloydminster
Kissinger Petroleums Ltd.	755 Petroleum Club Bldg., Denver 2, Colorado, U.S.A.	Various
Kranz Oil Ltd.	Virden, Manitoba	Benson
L.M. Oil Co. Ltd.	314 Royalite Bldg., Calgary, Alberta	Various
Landa Oil Company	5738 N. Central Expressway, Dallas, Texas, U.S.A.	Midale
Lewis, James A., Engineering Ltd.	635-6th Ave. S.W., Calgary, Alberta	Cantuar
Lloydminster Gas Co. Ltd.	Lloydminster	Lloydminster
Lobitos Oilfields Canada Ltd.	940-8th Ave. W., Calgary, Alberta	Glen Ewen
McAlester Canadian Oil Co.	Box 210, Magnolia, Arkansas, U.S.A.	Weyburn and Midway
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Various
Medallion Petroleums Ltd.	512-4th Ave. W., Calgary, Alberta	Hastings
Meyers, H.	Lloydminster	Marsden
Midwest Oil Corporation	909-4th St. S.W., Calgary, Alberta	Midwest
Mobil Oil of Canada Ltd.	Mobil Oil Co., Calgary, Alberta	Various
New Superior Oils of Canada Ltd.	224-9th Ave. W., Calgary, Alberta	Weyburn
Nortex Exploration Corp.	1900 Life of America Bldg., Dallas, Texas, U.S.A.	Gainsboro and Benson
North American Chemicals Ltd.	5907-102A Ave., Edmonton, Alberta	Lloydminster
North American Oils Ltd.	602 W., Hastings St., Vancouver 2, British Columbia	Lloydminster
North Continental Oil & Gas Corp. Ltd.	601 Leeson-Lineham Bldg., Calgary, Alberta	Lloydminster
Oliphant & Oliphant	1905 National Bank of Tulsa Bldg., Tulsa, Oklahoma, U.S.A.	Rapdan

Directory of Firms in the Crude Petroleum and Natural Gas Industries 1959 - Continued

Name	Address	Location of Field
Saskatchewan—Concluded:		
Orecan Oil Ltd.	203 Brent Bldg., Regina	West Kingsford
Pamoil Ltd.	300 Royalite Bldg., Calgary, Alberta	Carnduff
Phillips, Joe Ltd.	332-7th Ave. S.W., Calgary, Alberta	Various
Placid Oil Co.	418 Market St., Shreveport, Louisiana, U.S.A.	Nottingham, Glen Ewen, and Steelman
Quest Oil Syndicate	2313-25th Ave., N.W., Calgary, Alberta	Dulwich
R & M. Oil & Gas Ltd.	10123-112th St., Edmonton, Steelman, Alberta	Steelman
Ranger Oil (Canada) Ltd.	505-8th Ave. W., Calgary, Alberta	Various
Rex Oil & Development Co. Ltd.	401 Lindsay Bldg., Winnipeg, Manitoba	Dulwich
Rib Rock Oils Ltd.	Royal Bank Bldg., Prince Albert	Lone Rock
Rogers Bailey Syndicate	North Battleford	Silverdale
Rogers, A.S.	Lloydminster	Lloydminster
Royalite Oil Company Ltd.	Royalite Bldg., Calgary, Alberta	Coleville, Smiley and Oxbow
Rutledge, Paul F.	Box 2239, Santa Fe, New Mexico, U.S.A.	Midale
Sarcee Petroleum Ltd.	640-7th Ave. S.W., Calgary, Alberta	Eureka-Doddsland
Saskatoon Petroleum	602 W. Hastings St., Vancouver, British Columbia	Lloydminster
Shell Oil Company of Canada, Ltd.	Box 400, Terminal A Toronto 1, Ontario	Various
Sinclair Canada Oil Co.	Box 521, Tulsa, Oklahoma, U.S.A.	Alameda, Steelman and Weyburn
Skelly Oil Company	Box 1650, Tulsa, Oklahoma, U.S.A.	Various
Sohio Petroleum Company	309-8th Ave. W., Calgary, Alberta	Various
Stekoll Petroleum Corporation	Box 956, Dallas Texas, U.S.A.	Various
Sun Oil Company	805-8th Ave. S.W., Calgary, Alberta	Various
Swiss Oils of Canada (1959) Ltd.	Box 706 Saskatoon	Lloydminster
Texaco Exploration Co.,	237-7th Ave. S.W., Calgary Alberta	Various
Texfel Petroleum Corp.	3200 Republic Bank Bldg. Dallas 1, Texas, U.S.A.	Cantuar and Success
Tidewater Oil Co.	Financial Bldg., Regina	Various
Trans-Western Oils Ltd.	604-1st. Ave. S.W., Calgary Alberta	Lone Rock and Silverdale
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta	Steelman
Tyee Petroleum Ltd.	508 Lancaster Blvd., Calgary, Alberta	Carnduff and Alameda
Union Oil Co of California	709-8th Ave. S.W., Calgary, Alberta	Various
Union Oil & Gas Corporation of Louisiana	309-7th Ave. S.W., Calgary, Alberta	Steelman and Alameda
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary, Alberta	Various
Valentia Oil Corporation Ltd.	67 Yonge St., Toronto 1, Ontario	Lloydminster-Dulwich
Viscount Oil & Gas Ltd.	500 Bentall Bldg., Calgary, Alberta	Steelman
West Canadian Oil & Gas Limited	505-8th Ave. S.W., Calgary, Alberta	Various
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary, Alberta	North Premier
Western Leaseholds Ltd.	Bamlett Bldg., Calgary, Alberta	Midale, Weyburn and Carnduff
Whitehall Canadian Oils Ltd.	Can. Bank of Commerce Bldg., Toronto, Ontario	Various
Williamson Oil & Gas Ltd.	444-7th Ave. S.W. Calgary, Alberta	Various
Woodley Canadian Oil Company	Box 1403, Houston 1, Texas, U.S.A.	Battrum
Alberta:		
Ace Oils Ltd.	706-7th Ave. S.W. Calgary	Lloydminster
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Various
Ajax Petroleum Ltd.	528-9th Ave., Calgary	Morinville and St. Albert
Albert Clay Products Division	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	330-9th Ave. W., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Ltd.	640 Bentall Bldg., Calgary	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Allied Roxana Minerals Ltd.	705 Bamlett Bldg., Calgary	Whitelaw
Allied Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Alno Oils Ltd.	353-11th Ave. S.W., Calgary	Lloydminster
Altair Oil & Gas Co.	627-8th Ave. S.W., Calgary	Alameda and Joffre
Ambassador Oil Corp.	Box 9338, Fortworth, Texas, U.S.A.	Various
Amerada Petroleum Corporation	703-8th Ave. W., Calgary	Various
American Leduc Petroleum Ltd.	8631-109th St., Edmonton	Leduc and Bashaw
Amurex Oil Company	703-5th St. W., Calgary	Various
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary	Camrose, Drumheller and Leduc
Anglo Pacific Oil & Gas Ltd.	3620 Blackburn Rd., Calgary	Grassy Lake & Purple Springs
Arawain Producers Ltd.	569 Howe St., Vancouver 1, British Columbia	Leduc - Woodbend
Armistie Oil Co. Ltd.	10044-102nd St., Edmonton	Armistie
Arrow Oil Royalties Limited	408 Superior Ave., Calgary	Turner Valley
Asamera Oil Corp. Ltd.	315-8th Ave. S.W., Calgary	Various
Atlantic Refining Co.	444-7th Ave. S.W., Calgary	Various
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Various
Bakke, W.E. Oil Co. Ltd.	309-8th Ave. W., Calgary	Hussar and Westward Ho
Banff Oil Ltd.	505-8th Ave., Bldg., Calgary	Bellshill and Wimborne
Barg, J.	Brooks	Brooks
Barons Oil Ltd.	601 Leeson-Lineham Blk., Calgary	Barons
Bashaw Leduc Oil & Gas Ltd.	11534-77th Ave., Edmonton	Joarcam
Bass, Harry Oil Company	239-6th Ave. W., Calgary	Bon Accord and Bantry
Beaver State Wilrich Excelsior Ltd.	222 Tegler Bldg., Edmonton	Lloydminster
Big Five Petroleum Ltd.	201 Lancaster Bldg., Calgary	Leduc and Woodbend
Blue Crown Petroleum Ltd.	351-13th Ave. S.W. Calgary	Various
Bonnyville Gas Co. Ltd.	Bonnyville	Bonnyville
Bonnyville Oil & Refining corp.	1410 Stanley St., Montreal, Quebec	Bonnyville
Brinkerhoff Drilling Co. Ltd.	220 Bentall Bldg., Calgary	Bentley and Joffre
Britalta Petroleum Ltd.	630-8th Ave. S.W., Calgary	Medicine Hat
British American Oil Co. Ltd.	800 Bay St., Toronto	Various
British Colonial No. 1 Well	900 Pacific Bldg., Calgary	Turner Valley
Cabeen Exploration Corp.	604-6th Ave. S.W., Calgary	Various
California Standard Company	Medical Arts Bldg., Calgary	Taber, Conrad and Princess
Calvan Consolidated Oil & Gas Company Limited	Bamlett Bldg., Calgary	Various
Calwin Royalties Limited	330-9th Ave., Calgary	Turner Valley
Canada-Cities Service Petroleum Corporation	Bartlesville, Oklahoma, U.S.A.	North Pembina and Keystone
Canadian Atlantic Oil Company Ltd.	800 Pacific Bldg., Calgary	Leduc
Canadian Bishop Oil Ltd.	703-5th St. W., Calgary	Redwater Joarcam and Pembina
Canadian Chieftain Petroleum Ltd.	8631-109th St., Edmonton	Joffre, Namao and Provost
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Various
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Calgary	Various
Canadian Fina Oil Limited	407 Bamlett Bldg., Calgary	Various
Canadian High Crest Oils Ltd.	735-8th Ave. W., Calgary	Wainwright Baxter Lake, Leduc and Malmö

Directory of Firms in the Crude Petroleum and Natural Gas Industries 1959 — Continued

Name	Address	Location of field
Alberta — Continued:		
Canadian Kewanee Ltd.	805-8th Ave. S.W., Calgary	Pembina, Swan Hills, and Cessford
Canadian Kodiak Refineries Ltd.	222 Tegler Bldg., Edmonton	Lloydminster
Canadian-Montana Gas Company Ltd.	Box 1338, Butte, Montana, U.S.A.	Various
Canadian Oil Co. Ltd.	631-7th Ave. West	Various
Canadian Pacific Oil & Gas Ltd.	Windsor Station, Montreal, Quebec	Various
Canadian Pacific Railway Co.	Montreal, Quebec	Medicine Hat
Canadian Seaboard Oil Co.	237-7th Ave., Calgary	Various
Canadian Superior Oil of California Ltd.	703-8th Ave. W., Calgary	Various
Canadian Well Services Ltd.	6503-103rd St., Edmonton	Leduc-Woodbend
Canadian Western Natural Gas Co. Ltd.	140-6th Ave. S.W., Calgary	Various
Canadian Western Powers & Fuel Co. Ltd.	Redcliff	Medicine Hat
Can crude Oil & Gas Co. Ltd.	444-7th Ave. S.W., Calgary	Carnwood
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary	Various
Ceepee Oil Co. Ltd.	Derrick Bldg., Regina, Saskatchewan	Lobstick - Pembina
Central Del Rio Oils Ltd.	224-9th Ave. S.W., Calgary	Leduc-Woodbend
Century Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Champlin Oil & Refining Co.	318-8th Ave. S.W., Calgary	Various
Charter Oil Co. Ltd.	111 Petroleum Bldg., Calgary	Various
Colorado Oil & Gas Ltd.	Oil Exchange Bldg., Calgary	Various
Commoil Limited	706-7th Ave. W., Calgary	Turner Valley
Commonwealth Petroleum Limited	706-7th Ave. W., Calgary	Turner Valley
Consolidated Allenbee Oil & Gas Co. Limited	569 Howe St., Vancouver, British Columbia	Leduc-Woodbend
Consolidated East Crest Oil Co. Ltd.	735-8th Ave. S.W., Calgary	Various
Consolidated Peak Oils Limited	569 Howe St., Vancouver, British Columbia	Lloydminster
Cree Oil of Canada (1958) Ltd.	708-7th Ave. W., Calgary	Various
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
D.N.D. Defence Research Board	Suffield Experimental Station Ralston	Suffield
Dalo Oil Co. Ltd.	20th Floor, Star Bldg., Toronto, Ontario	Lloydminster
Daveroy Oil Co. Ltd.	Box 4432, Edmonton	Camrose
Dempsey Oils Ltd.	117B-8th Ave. S.W., Calgary	Leduc-Woodbend
Dernick-Guyver Inc.	505-8th Ave. S.W., Calgary	Joffre and Innisfail
Devon Palmer Oils Ltd.	320-7th Ave. S.W., Calgary	Chauvin, Pembina, Red Coulee, and Okotoks
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary	Pembina Delia, and Redwater
Dominion Glass Co. Ltd.	1111 Beaver Hall Hill, Montreal, Quebec	Medicine Hat
Elk Point Gas Ltd.	Elk Point	Elk Point
Eldon Royal American Model #1	201 Lancaster Bldg., Calgary	Legal
Fair Petroleum Ltd.	Lloydminster	Wainwright
Fargo Oils Ltd.	140-6th Ave., S.W., Calgary	Wainwright, Leduc and Acadia Valley
Flamingo Oils Limited	402-100 Adelaide St. W., Toronto, Ontario	Various
Fosca Oil Co. Ltd.	309-7th Ave. S.W., Calgary	Battle South and Wainright
French Petroleum Co. of Can. Ltd.	635-6th Ave. S.W., Calgary	Various
Godfrey Lehman Lloydminster Syndicate	117B-8th Ave. S.W., Calgary	Silverdale
Golden Spike Western Petroleum Ltd.	117B-8th Ave. S.W., Calgary	Joarcam
Granville Oils Limited	534-8th Ave. W., Calgary	Turner Valley
Great Plain's Development Company of Canada.	528-9th Ave. W., Calgary	Various
Hales Oil & Gas Limited	433-4th Ave., Calgary	Ellerslie
Hargal Oils Ltd.	800 Hall Bldg., Vancouver, British Columbia	Leduc-Woodbend
Harris Well No 2	201 Lancaster Bldg., Calgary	Turner Valley
Home Oil Company Limited	304-6th Ave. W., Calgary	Various
Hudson's Bay Oil & Gas Co., Ltd.	320 Seventh Ave. W., Calgary	Various
Husky Oil & Refining Ltd.	815-6th St. W., Calgary	Lloydminster Leduc, and Vale Dome
Imperial Oil Ltd.	111 St. Clair Ave. Toronto, Ontario	Various
Inland Gas & Oil Co. Ltd.	306 Alexandra Bldg. Edmonton	Viking - Kinsella
Ireton Petroleum Ltd.	10347-71st Ave., Edmonton	Chamberlain
Kamalta Well Operators Limited	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Ltd.	6503-103rd St., Edmonton	Leduc-Woodbend
L.B. Oils Ltd.	Macdonald Hotel, Edmonton	Leduc
Leamac Petroleum Ltd.	404-6th Ave. W., Calgary	Leduc-Woodbend
Leduc Calmar Oil Co. Ltd.	321A-7th Ave. S.W., Calgary	Leduc-Woodbend
Legion Oils Ltd.	512-4th Ave. W., Calgary	Redwater
Lewis, James A. Engineering Ltd.	635-6th Ave. S.W., Calgary	Pembina
Liedtke Petroleum Ltd.	848 Bentall Bldg., Calgary	Hussar
Lobitos Oilfields Canada Ltd.	940-8th Ave. W., Calgary	Various
Mac Oils Ltd.	11055-107th St., Edmonton	Various
Major Oil Investments Limited	306 Lancaster Bldg., Calgary	Turner Valley
Maple Leaf Milling Co. Ltd.	44 Eglinton Ave., Toronto, Ontario	Medicine Hat
Marjack Oils Ltd.	10920-88th Ave., Edmonton	Leduc
Maryland Petroleum Limited	306 Lancaster Bldg., Calgary	Turner Valley
McAlester Canadian Oil Co.	Box 210, Magnolia, Arkansas, U.S.A.	Various
McConset-Leduc Syndicate	302 Toronto General Trusts Bldg., Calgary	Leduc and Woodbend
Medallion Petroleum Ltd.	512-4th Ave. West, Calgary	Various
Medicine Hat City	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Medicine Hat	Medicine Hat
Melton Petroleum Limited	10154-103rd St., Edmonton	Leduc-Woodbend
Metro Oil & Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Midwest Oil Corporation	809-4th St. S.W., Calgary	Various
Midwestern Industrial Gas Ltd.	11055-107th St., Edmonton	Fort Saskatchewan
Miracle Oils Limited	330-9th Ave. W., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils	330-9th Ave. W., Calgary	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
Monarch Investments Ltd.	Medicine Hat	Medicine Hat
Morgro Oil Operators Limited	Peace River	Lloydminster
New Continental Oil Co. of Canada Ltd.	231-8th Ave. W., Calgary	Leduc and Turner Valley
New Davies Petroleum Ltd.	330-9th Ave. W., Calgary	Turner Valley
New Spring Coulee Oil & Minerals Ltd.	409 Medical Centre Calgary	Various
New Superior Oils of Canada Limited	224-9th Ave. W., Calgary	Various
New York Oils Ltd.	703-5th St. S.W., Calgary	Penhold
Northern Natural Gas Producing Co.	2223 Dodge St., Omaha, Nebraska, U.S.A.	Westward Ho
Northwestern Utilities Ltd.	10040-104th St., Edmonton	Various
Ogilvie Flour Mills Co. Ltd.	Dominion Square Bldg., Montreal, Quebec	Medicine Hat
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Various

Directory of Firms in the Crude Petroleum and Natural Gas Industries 1959 - Concluded

Name	Address	Location of field
Alberta - Concluded:		
Old Settlers Oils Ltd.	302 Union Bldg., Edmonton	Various
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary	Various
Pam Oil Ltd.	300 Royalite Bldg., Calgary	Keystone
Pan American Petroleum Corp.	444-7th Ave. S.W. Calgary	Various
Perry Bricko Tile Co. Ltd.	Redcliff	Medicine Hat
Petroleum Corporation of Canada Exploration Ltd.	408 Superior Ave., Calgary	Turner Valley
Phillips Petroleum Company	Bartlesville, Oklahoma, U.S.A.	Various
Plains Western Gas & Electric Co. Ltd.	9924-63rd Ave., Edmonton	St. Paul
Plymouth Oil Company	223-4th Ave., Pittsburg, Pennsylvania, U.S.A.	Various
Provo Gas Producers Ltd.	706-7th Ave. W., Calgary	Hughenden and Consort
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary	Leduc Woodbend
Quintus Leaseholds Ltd.	239-8th Ave. W., Calgary	Pembina
Ranger Oil (Canada) Ltd.	505-8th Ave. West Bldg., Calgary	Various
Redcliff Premier Brick Co.	Redcliff	Medicine Hat
Redwater Oils Ltd.	31 Michael Bldg., Calgary	Hairy Hill
Redwater Water Disposal Co. Ltd.	10509-81st. Ave., Edmonton	Redwater
Regal Royalties Ltd.	1742-10th Ave., Calgary	Turner Valley
Regent Refining (Canada) Ltd.	509-3rd St. W., Calgary	Swan Hills
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Reward Spooner Model	201 Lancaster Bldg., Calgary	Turner Valley
Richfield Oil Corporation	555 South Flower St., Los Angeles 17, Cal.	Various
Romac Oils Ltd. (Capital Oil Agencies Ltd.)	W. 300 Mission Ave., Spokane, Washington, U.S.A.	Pembina
Royal American Oil Co. Ltd.	201 Lancaster Bldg.,	Leduc - Woodbend
Royal Canadian Ventures Ltd.	702-5th St. W., Calgary	Joffre and Clive
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited	Royalite Bldg., Calgary	Various
Roycan Petroleum Inc.	703-5th St. W., Calgary	Innisfail and Regan
Sage Oil Company Limited	10852-82nd Ave., Edmonton	Leduc - Woodbend
Sapphire Petroleum Ltd.	240 Eglinton Ave., Toronto 12, Ontario	Leduc
Sarcee Petroleum Ltd.	640-7th Ave. S.W., Calgary	Bindloss
Sasko-Wainwright Oil & Gas Ltd.	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	Box 287 Tulsa, Oklahoma, U.S.A.	Redwater
Scurry Rainbow Oil Ltd.	539-8th Ave. W., Calgary	Various
Share Oils Limited	640-7th Ave. S.W., Calgary	Camrose and Leduc
Sharples Oil (Canada) Ltd.	1700 Broadway, Denver 2, Colorado, U.S.A.	Wildcat
Shaw, R.L. Estate	Lloydminster	Lloydminster
Shell Oil Company of Canada, Limited	Box 400, Terminal A, Toronto, Ontario	Jumping Pound etc.
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Various
Skelly Oil Company	Box 1650, Tulsa, Oklahoma, U.S.A.	Various
Sohio Petroleum Company	309-8th Ave. S.W., Calgary	Wildcat
Southland Royalty Company	611 Fort Worth National Bank Bldg., Fort Worth, Texas, U.S.A.	Hays
Sovereign Royalties Ltd.	800 Bay St., Toronto, Ontario	Turner Valley
Stekoll Petroleum Corp.	Box 956, Dallas, Texas, U.S.A.	Various
Sterling Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Suffield Gas Distributing System	Suffield	Suffield
Sun Oil Company	P.O. Drawer 39, Calgary	Various
Sunshine Mining Company	W. 300 Mission Ave., Spokane 1, Washington, U.S.A.	Pembina
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Canada Ltd.	246 Bloor St. W., Toronto, Ontario	Pembina & Swan Hills
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Texfel Petroleum Corporation	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Lobstick
Tidewater Oil Company	809 Centre St. S.W., Calgary	Keystone
Tilley Gas Co. Ltd.	Tilley	Tilley
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary	Various
Twin Valley Oil Royalties Limited	408 Superior Ave., Calgary	Turner Valley
Union Oil Co. of California	709-8th Ave. W., Calgary	Various
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary	Various
Vandoo Consolidated Explorations Ltd.	62 Richmond St. W., Toronto, Ontario	Chauvin South
Vanlorne Oils Ltd.	10852-32nd Ave., Edmonton	Leduc - Woodbend
Vermilion Consolidated Oils Ltd.	351-13th Ave. S.W., Calgary	Wildmere
Wain-Con Oils Limited	569 Howe St., Vancouver, British Columbia	Wainwright
Wardean Drilling Ltd.	534-6th Ave., Calgary	Acheson East
Wespac Petroleum Ltd.	718-8th Ave. W., Calgary	Whitemud
West Canadian Oil & Gas Ltd.	505-8th Ave. W., Calgary	Various
Western Chemicals Ltd.	31 Michael Bldg., Calgary	Duvernay
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary	Various
Western Leaseholds Ltd.	Bamlett Bldg., Calgary	Various
Western Minerals Ltd.	31 Michael Bldg., Calgary	Various
Western Petroleum Operators Limited	306 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.	215A-10th St., Calgary	Leduc
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ontario	Various
Widney Oil & Drilling Co. Ltd.	6328-104th. St., Edmonton	Leduc - Woodbend
Winalta Royalties Limited	330-9th Ave., Calgary	Turner Valley
Yeske Petroleum Ltd.	9947-104th St., Edmonton	Leduc - Woodbend
British Columbia:		
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary	Boundary Lake and Laprise Creek
Gulf States Oil Co of Canada (now Western Natural Gas Co. Inc.)	Box 1508, Houston 1, Texas, U.S.A.	Various
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary, Alberta	Fort St. John
Phillips Petroleum Company	Bartlesville, Oklahoma, U.S.A.	Various
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Fort St. John
Sun Oil Company	805-8th Ave. S.W., Calgary, Alberta	Various
Texaco Exploration Co.	237-7th Ave. W., Calgary, Alberta	Boundary Lake and Wildcat
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta	Beaton River and West Beaton River
Union Oil Company of California	709-8th Ave. W., Calgary, Alberta	Various
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	111 St. Clair Ave., Toronto, Ontario	Fort Norman

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11

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1960



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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- ° preliminary figures.
- * revised figures.

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1960

This report includes statistics for industry 063—Petroleum and Gas Wells of the Standard Industrial Classification Manual (Catalogue No. 12-501).

For convenient reference this publication includes statistics for industry 065—Natural Gas Processing Plants of the Standard Industrial Classification Manual (Catalogue No. 12-501).

During 1960 the Canadian production of crude petroleum amounted to 189,534,221 barrels valued at \$422,926,497 compared with 184,778,497 barrels valued at \$422,092,535 in the preceding year.

Over 130 million barrels came from Alberta wells. The oil fields in Alberta which produced in excess of 2 million barrels were, Bonnie Glen, Fenn-Big Valley, Innisfail, Joarcam, Joffre, Leduc-Woodbend, Pembina, Redwater, Sturgeon Lake South, Swan Hills and Wizard Lake.

Production in Saskatchewan increased to 51.9 million barrels. The following oil fields each had an output in excess of 2 million barrels, Coleville-Smiley, Dollard, Midvale, Nottingham, Steelman, and Weyburn.

Output in Manitoba continued to decline. Fields which produced over a million barrels were Virden-Roselea and North Virden Scallion. Oil production in Ontario exceeded a million barrels. British Columbian output was over 867,000 barrels. There was small increase in the output of the wells in the Northwest Territories. Less crude petroleum was produced in New Brunswick than in the preceding year.

Production of natural gas in Canada during 1960 amounted to 522,972,327 thousand cubic feet valued at \$52,196,882. These figures include the

natural gas sold for domestic, industrial and other uses and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste, reproduction and meter differences, was valued at a nominal wellhead price.

The expansion of transmission and distribution pipelines in central Canada increased the demand for natural gas from the western provinces. Alberta gas increased to 383 billion cubic feet from 297 billion cubic feet in 1959. British Columbia increased the production to over 85 billion cubic feet as compared with over 69 billion cubic feet in the preceding year. The utilized natural gas from Saskatchewan wells amounted to over 36 billion cubic feet. Ontario natural gas increased to nearly 17 billion cubic feet. There was less gas produced in New Brunswick and there was a decrease in the Northwest Territories.

The average number of persons employed by the industry was 5,371 to whom \$27,981,429 were paid in salaries and wages. Fuel cost, \$3,119,048 and 122,347,775 kwh. of electricity were purchased for \$3,235,619. Process supplies were valued at \$10,957,811.

Prior to 1960 the general statistics referred to firms which had producing wells. In 1960 some exploration firms were included.

In 1959 the principal statistics of the crude petroleum industry and the natural gas industry were combined into the crude petroleum and natural gas industry. For historical reference the data for the earlier years were recompiled and are shown in Tables 1 and 2.

**TABLE 1. Principal Statistics of the Crude Petroleum and Natural Gas Industry,
Significant Years, 1929 - 60**

Year	Estab- lish- ments	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value of production ¹
		number		dollars				
1929	521	4,933	4,174	6,023,836	334,944	..	12,924,345	..
1931	305	4,790	2,901	3,706,539	330,432	..	12,966,109	..
1933	349	4,640	2,085	2,424,549	190,272	..	11,288,121	..
1937	499	5,596	3,648	4,828,484	546,877	661,969	15,039,964	13,831,118
1939	570	5,741	3,770	5,104,203	789,944	740,508	21,475,520	19,945,068
1941	503	5,736	4,005	6,096,612	712,845	199,157	26,234,427	25,322,425
1944	435	5,885	4,357	8,700,330	1,188,487	255,460	25,590,715	24,146,768
1946	459	6,139	3,218	5,751,932	1,141,531	131,012	25,313,314	24,040,771
1949	457	7,093	4,365	11,017,867	658,522	390,697	78,673,640	77,624,421
1950	456	7,840	5,035	13,552,063	791,257	1,109,024	91,040,160	89,139,879
1951	489	8,746	5,843	18,010,015	1,237,267	2,148,110	123,056,952	119,671,575
1954	567	12,134	6,757	24,621,117	3,135,341	4,171,184	256,141,175	248,840,650
1955	592	14,126	6,868	26,018,298	3,568,700	5,984,143	319,860,795	310,307,952
1956	554	16,626	8,092	36,352,689	4,806,832	9,087,274	417,565,776	403,671,670
1957	543	18,885	7,821	36,302,114	5,970,451	10,691,980	465,324,929	448,662,498
1958	639	19,854	7,064	33,316,006	6,403,564	10,266,907	423,776,203	407,105,732
1959	643	21,557	6,721	33,701,648	7,420,485	9,661,761	455,516,896	438,434,650
1960	637 ²	21,446	5,371	27,981,429	6,354,667	10,957,811	470,698,603	453,386,125

¹ Gross value of shipments less cost of fuel, electricity and process supplies.² Prior to 1960 the figures in this column shows the number of firms.**TABLE 2. Principal Statistics of the Crude Petroleum and Natural Gas Industry,
by Provinces, 1959 and 1960**

Province	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value of production
	number		dollars				
1959							
New Brunswick	69	39	111,292	9,581	5,422	208,665	193,662
Ontario	4,603	740	2,640,762	437,934	625,998	9,710,784	8,646,852
Manitoba	796	104	537,259	149,631	41,961	11,619,575	11,427,983
Saskatchewan	4,433	1,168	6,071,517	1,376,095	1,201,187	101,037,819	98,460,537
Alberta	11,350	4,332	22,265,217	5,211,870	7,277,970	325,798,878	313,309,038
British Columbia	236	327	2,015,774	162,837	342,502	6,092,543	5,587,204
Northwest Territories	70	11	59,827	72,537	166,721	1,048,632	809,374
Totals	21,557	6,721	33,701,648	7,420,485	9,661,761	455,516,896	438,434,650
1960							
New Brunswick	67	18	63,097	4,859	4,412	171,410	162,139
Quebec	1	8	45,223	1,192	101	—	— 1,293
Ontario	2,880	226	666,345	94,877	439,265	7,647,437	7,113,295
Manitoba	803	96	476,657	145,540	15,953	10,693,034	10,531,541
Saskatchewan	4,486	868	4,545,086	1,229,955	813,903	107,679,858	105,636,000
Alberta	12,713	3,882	20,482,096	4,573,587	8,623,151	334,640,527	321,443,789
British Columbia	421	255	1,591,299	197,960	774,020	9,212,899	8,240,919
Northwest Territories	73	11	68,340	93,301	115,316	653,438	444,821
Yukon	2	7	43,286	13,396	171,690	—	— 185,086
Totals	21,446	5,371	27,981,429	6,354,567	10,957,811	470,698,603	453,386,125

TABLE 3. Production of Crude Petroleum, by Provinces, 1959 and 1960

Province	1959		1960	
	Barrels	Value	Barrels	Value
		\$		\$
New Brunswick	14,479	20,271	14,148	19,807
Ontario	1,001,580	3,194,000	1,005,030	3,150,065
Manitoba	5,056,075	11,619,872	4,764,045	10,690,384
Saskatchewan	47,442,498	97,731,546	51,908,428	103,957,009
Alberta	129,967,312	306,917,803	130,506,968	302,841,423
British Columbia	866,234	1,583,129	867,057	1,626,590
Northwest Territories	430,319	1,025,914	468,545	641,219
Totals	184,778,497	422,092,535	189,534,221	422,926,497

TABLE 4. Production of Crude Petroleum, 1951-60

Year	Barrels	Value	Year	Barrels	Value
		\$			\$
1951	47,615,534	116,655,238	1956	171,981,413	406,561,872
1952	61,237,322	143,038,212	1957	181,848,004	453,593,620
1953	80,898,897	200,582,276	1958	165,496,196	398,747,818
1954	96,080,345	243,877,030	1959	184,778,497	422,926,535
1955	129,440,247	305,640,036	1960	189,534,221	422,926,497

TABLE 5. Production of Crude Petroleum, by Provinces, 1951-60

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
1951	15,551	197,171	10,698	1,249,281	45,915,384	—	227,449	47,615,534
1952	14,237	191,814	104,826	1,696,505	58,915,723	—	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	—	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	—	369,887	96,080,345
1955	12,548	525,510	4,145,756	11,317,168	113,035,046	—	404,219	129,440,247
1956	16,628	593,370	5,786,540	21,077,371	143,909,641	148,454	449,409	171,981,413
1957	19,401	623,666	6,089,743	36,861,089	137,492,316	340,945	420,844	181,848,004
1958	15,189	778,341	5,829,226	44,626,148	113,277,847	512,359	457,086	165,496,196
1959	14,479	1,001,580	5,056,075	47,442,498	129,967,312	866,234	430,319	184,778,497
1960	14,148	1,005,030	4,764,045	51,908,428	130,506,968	867,057	468,545	189,534,221

TABLE 6. Production of Crude Petroleum, by Months, 1960

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
January	1,276	69,178	402,081	4,095,848	13,484,050	89,713	40,116	18,182,262
February	1,308	74,047	374,222	3,976,381	11,209,111	77,255	28,131	15,740,455
March	1,089	79,489	393,246	4,626,646	11,940,206	81,446	43,422	17,165,544
April	1,188	82,873	378,720	4,258,201	9,700,102	26,036	43,091	14,490,211
May	1,222	93,873	392,293	4,469,709	11,509,951	56,276	18,234	16,541,558
June	1,155	92,854	391,576	4,342,159	10,802,117	74,464	24,875	15,729,200
July	1,124	88,097	408,298	4,789,043	10,591,813	105,097	42,019	16,025,491
August	1,077	91,870	404,833	4,683,172	9,763,438	87,407	51,044	15,082,841
September	1,274	87,619	401,502	4,317,010	10,440,654	88,627	59,973	15,396,659
October	1,268	78,386	411,225	4,183,084	9,473,976	74,904	50,813	14,273,656
November	1,096	82,649	399,803	3,943,086	10,283,520	26,757	17,893	14,754,804
December	1,071	84,095	406,246	4,224,089	11,308,030	79,075	48,934	16,151,540
Totals	14,148	1,005,030	4,764,045	51,908,428	130,506,968	867,057	468,545	189,534,221

TABLE 7. Well Output of Crude Petroleum in Alberta, by Fields, 1958 - 60

Field	1958	1959	1960	Field	1958	1959	1960 ¹
barrels				barrels			
Acheson	1,693,896	2,056,804	1,752,445	Pembina.....	33,093,712	34,520,314	39,310,358
Bonnie Glen	4,225,487	5,951,008	5,064,747	Red Water	13,074,440	15,112,108	12,560,447
Erskine	1,225,780	1,260,449	1,262,579	Stettler	1,658,511	1,818,549	1,613,289
Fenn-Big Valley ...	5,571,322	6,199,976	5,466,087	Sturgeon Lake South	2,893,305	3,199,001	2,827,221
Gilby	416,995	512,809	1,453,785	Sundre	1,105,664	1,129,624	1,167,319
Golden Spike	870,879	1,758,758	1,516,973	Swan Hills	83,962	1,717,093	4,891,302
Harmattan-Elkton ...	1,980,071	1,845,919	1,414,660	Turner Valley	1,458,661	1,352,518	1,207,584
Innisfail	1,244,998	2,259,940	2,256,634	Wainwright	1,140,954	982,489	749,111
Joarcam	3,476,187	3,410,524	3,394,695	West Drumheller	1,299,420	1,354,822	1,179,110
Joffre	5,367,841	6,326,789	6,184,434	Wizard Lake	1,583,277	2,719,898	2,301,274
Kaybob	407,244	1,203,855	1,976,214	Other areas	13,028,742	16,461,387	19,957,306
Keystone	1,466,262	2,214,595	—				
Leduc-Woodbend ...	14,910,237	14,598,083	13,357,643	Totals, Alberta ..	113,277,847	129,967,312	132,865,217

¹ Includes field condensate.

TABLE 8. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1959 and 1960

Field	1959	1960	Field	1959	1960
barrels			barrels		
Alameda	1,142,320	1,147,802	Nottingham	2,460,672	2,558,666
Alida	1,380,502	1,584,204	Queensdale	1,070,029	1,382,927
Carnduff	2,505,353	1,911,670	Steelman	11,247,528	8,460,855
Coleville-Smiley	2,529,797	2,269,178	Success	1,434,348	1,400,979
Dollard	4,095,848	4,034,094	Weyburn	5,763,487	10,687,067
Fosterton	2,040,618	1,951,053	Other areas	7,840,934	9,007,391
Instow	1,618,490	1,786,523			
Midale	2,312,572	3,726,019	Totals, Saskatchewan	47,442,498	51,908,428

TABLE 9. Production of Crude Petroleum in Manitoba, by Fields, 1959 and 1960

Field	1959	1960	Field	1959	1960
barrels			barrels		
Daly	832,331	831,992	Routledge	449,994	392,056
Verden-Roselea	1,318,713	1,314,713	Tilston	33,431	27,952
North Verden Scallion	1,930,505	1,768,452	West Butler	11,542	7,224
Ebor	16,915	15,581	West Routledge	210,192	193,374
Kinkella	74,122	66,129	Whitewater	19,170	17,030
Lulu Lake	—	—	Woodnorth	62,005	42,139
Maples	40,455	37,989	Other areas	28,498	23,737
Pierson	28,202	25,677	Totals, Manitoba	5,056,075	4,764,045

TABLE 10. Production of Crude Petroleum in Ontario, by Fields, 1960

County	Field or pool	Township	Producing formation	1960 barrels
Elgin	Crinan	Aldborough	Salina	204
	Rodney	Aldborough	Columbus	248,364
	Wallacetown	Dunwich	Dundee	1,926
Essex	Staples	Tilbury West	Guelph	101
	Colchester	Colchester South	Trenton	185,541
	Malden	Malden	Trenton	113
Halton	Acton	Esquesing	Gull River	56
Kent	Bothwell — Thamesville	Zone, Camden, etc.	Dundee — Columbus	9,262
	Dover	Dover	Trenton	1,199
	Dresden	Camden, Chatham	Guelph	4,005
	Stevenson	Romney	Trenton	696
	Tilbury	Raleigh	Guelph	39
	Chatham	Chatham	Guelph	6,729
	Wabash	Camden	Dundee	59
Lambton	Becher	Sombra	Salina	62,286
	Bickford	Sombra	Guelph	206
	Dante	Euphemia	Dundee	416
	Dawn	Dawn	Salina — Guelph	41,917
	Seckerton North	Moore	Guelph	29,516
	Corunna	Moore	Guelph	132,881
	Oakdale	Dawn	Dundee	54
	Oil Springs	Enniskillen	Dundee — Detroit River	48,596
	Petrolia	Enniskillen	Dundee — Detroit River	25,153
	Wanstead	Brooke, Enniskillen	Guelph	38,524
	Warwick	Warwick	Guelph	46,904
	Sombra	Sombra	Guelph	71
	Colinville	Moore	Salina — Guelph	9,502
	Kimball	Moore	Salina	3,153
	Seckerton	Moore	Guelph	32,982
	Shetland	Euphemia	Dundee	1,656
	Shetland	Euphemia	Guelph	60
	Telford	Moore	Guelph	2,504
	Waubuno	Moore	Guelph	951
	Wilsoncraft	Enniskillen	Dundee — Detroit River	323
	Mooretown	Moore	Dundee	470
Middlesex	Glencoe	Mosa	Dundee — Columbus	28,595
	Grand Bend	McGillivray	Guelph	37,112
	Kerrwood	Metcalf	Dundee — Detroit River	147
Oxford	Gables	Blenheim	Eau Claire	2,757
Total, Ontario				1,005,030

TABLE 11. Petroleum Wells, by Provinces, 1958-60

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada ¹
	number							
Productive wells at beginning of year:								
1958	19	1,428	791	3,085	8,473	127	65	13,988
1959	19	1,524	791	3,772	9,464	105	65	15,740
1960	19	1,395 ^r	788 ^r	3,861 ^r	9,492 ^r	72 ^r	65	15,692 ^r
Number of productive wells drilled:								
1958	—	19	50	548	1,129	31	—	1,777
1959	—	55	25	467	1,211	61	—	1,819
1960	—	65	36	402	1,308	50	—	1,861
Number of wells abandoned:								
1958	—	15	64	87	251	—	—	417
1959	—	52	33	476	298	2	—	861
1960	—	35	35	97	280	—	—	447
Number of dry wells drilled:								
1958	—	10	19	236	350	33	1	649
1959	—	19	11	597	376	31	5	1,039
1960	—	33	13	112	290	63	7	521 ^r
Number of productive wells in operation at end of year:								
1958	19	1,433	778	3,552	9,294	151	65	15,292
1959	19	1,527	783	3,763	10,377	164	65	16,698
1960	19	1,425	789	4,166	10,520	122	65	17,106

¹ Includes 1 dry well in Quebec and 2 dry wells in the Yukon.

TABLE 12. Imports of Petroleum, Asphalt and their Products, 1959 and 1960

Item		1959		1960	
		Quantity	Value	Quantity	Value
			\$		\$
Asphaltum of asphalt, solid or not.....	cwt.	708,715	946,802	554,246	691,969
Asphalt oil for paving	gal.	922,602	104,429	1,315,494	138,831
Oil, imported by miners or mining companies, for the concentration of ores or metals	"	220,570	310,570	245,105	355,945
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60°F	bbl.	115,288,643	277,495,191	125,559,631	283,172,198
Petroleum tops: blends of petroleum tops or petroleum products with crude petroleum; all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60°F, when imported by oil refiners to be refined		—	—	—	—
Fuel oil, ex-warehoused, for ships' stores	gal.	1,413,773	81,860	471,882	36,877
Aviation gasoline	"	98,913,474	17,538,376	60,979,190	10,295,822
Kerosene, lighter than .8236 specific gravity at 60°F, n.o.p.	"	20,597,125	2,346,309	29,935,380	2,926,834
Engine distillate, .8017 specific gravity or heavier at 60°F	"	13,139	2,984	19,620	3,220
Gasoline, lighter than .8236 specific gravity at 60°F	"	95,052,104	12,960,767	31,036,182	4,494,053
Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60°F, when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada		—	—	—	—
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon	gal.	27,071,206	5,416,888	20,836,171	4,579,353
Lubricating oils, 25 cents and over	"	13,868,615	6,440,438	20,184,714	8,246,313
Oils, mineral, n.o.p.	"	719,003	929,746	762,915	1,084,983
Stove oil, No. 1 fuel oil	"	191,280,769	19,164,851	128,472,935	12,678,957
Light fuel oils, Nos. 2 and 3	"	311,900,014	29,574,707	244,354,195	21,703,222
Heavy fuel oils, Nos. 4, 5 and 6	"	435,213,625	23,588,643	470,375,390	24,149,468
Diesel fuel	"	56,891,796	5,492,970	94,324,633	8,284,042
Tractor fuel		—	—	—	—
Petroleum greases and lubricating greases, n.o.p.	lb.	16,609,865	2,138,547	16,510,735	2,184,440
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes .....		...	834,965	...	816,957
Paraffin wax	"	48,221,174	2,863,650	41,114,455	2,584,720
Paraffin wax candles	"	438,829	136,772	596,009	179,772
Products of petroleum, n.o.p.	gal.	23,826,168	4,366,512	32,348,966	5,501,546
Liquefied petroleum gases	"	3,181,934	625,479	5,293,419	1,067,915
Naphtha, including solvent naphtha	"	10,188,897	2,249,336	11,671,910	2,118,531

TABLE 13. Exports of Petroleum and its Products, 1959 and 1960

Item		1959		1960	
		Quantity	Value	Quantity	Value
			\$		\$
Petroleum, crude	bbl.	33,362,234	74,541,292	42,234,937	94,450,014
Oil, coal and kerosene, refined	gal.	5,775	1,201	607,390	65,869
Gasoline and naphtha	"	18,923,118	2,518,571	47,613,156	5,959,053
Fuel oil	"	31,733,018	2,886,847	25,369,055	2,126,802
Lubricating oil	"	236,972	191,198	212,993	80,282
Oil, mineral, n.o.p.	"	49,155	9,555	97,793	16,891
Wax, mineral	cwt.	3,569	38,348	5,547	55,390

TABLE 14. Canadian Crude Petroleum Supply, 1946 - 60

Year	Canadian production	Imports	Exports ¹	Apparent supply
barrels of 35 Imperial gallons				
1946	7,585,555	63,407,461	—	70,993,016
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,948	172,619,067
1955	129,440,247	86,792,460	14,833,971	201,398,736
1956	171,981,413	106,641,358	42,908,086	235,714,685
1957	181,848,004	111,905,473	55,674,229	238,079,248
1958	165,496,196	104,038,800	31,679,333	237,855,663
1959	184,778,497	115,288,643	33,362,234	266,704,906
1960	189,534,221	125,559,631	42,234,937	272,858,915

¹ Exports were comparatively small prior to 1951 and may be neglected.

TABLE 15. Receipts of Crude Petroleum by Canadian Refineries, 1956 - 60

Year	Maritimes and Quebec	Ontario	Manitoba Saskatchewan Alberta and Northwest Territories	British Columbia and Yukon	Canada
barrels					
1956:					
Canadian	395,178	49,127,424	54,643,673	21,425,799	125,592,074
Imported	97,206,641	9,098,891	—	—	106,305,532
Totals	97,601,819	58,226,315	54,643,673	21,425,799	231,897,606
1957:					
Canadian	—	49,996,130	54,411,057	22,507,050	126,914,237
Imported	103,647,166	8,059,505	—	—	111,706,671
Totals	103,647,166	58,055,635	54,411,057	22,507,050	238,620,908
1958:					
Canadian	—	60,329,816	52,899,634	21,284,548	134,513,998
Imported	103,383,037	4,061,704	—	—	107,444,741
Totals	103,383,037	64,391,520	52,899,634	21,284,548	241,958,739
1959:					
Canadian	—	72,429,969	55,778,496	23,299,309	151,507,774
Imported	113,957,240	2,385,030	—	—	116,342,270
Totals	113,957,240	74,814,999	55,778,496	23,299,309	267,850,044
1960:					
Canadian	—	72,100,463	53,101,900	24,057,382	149,259,745
Imported	123,173,075	3,651,133	—	—	126,824,208
Totals	123,173,075	75,751,596	53,101,900	24,057,382	276,083,953

TABLE 16. World Crude Oil Production,¹ 1958-60

	1958	1959	1960 ^P
	thousands of barrels		
North America:			
Canada	165,496	184,778	191,842
Cuba ²	344	192	108 ⁴
Mexico	93,533	96,393	99,049
Trinidad	37,355	40,919	42,357
United States	2,449,016	2,574,590	2,574,933
Totals	2,745,744	2,896,872	2,908,289
South America:			
Argentina	35,829	44,710	64,232
Bolivia	3,435	3,170	3,574
Brazil	18,919	23,590	29,613
Chile	5,568	6,428	7,231
Columbia	46,901	53,576	55,666
Ecuador	3,108	2,759	2,730
Peru	18,732	17,733	19,255
Venezuela	950,796	1,011,452	1,041,708
Totals	1,083,288	1,163,418	1,224,009
Europe:			
Albania	2,690	3,504	3,650
Austria	19,548	16,946	16,874
Bulgaria	1,632	1,402	1,460
Czechoslovakia	950	803	730
France	9,983	11,594	14,229
Germany, West	32,119	36,981	40,076
Hungary	6,325	7,665	8,760
Italy	10,531	11,551	13,545
Netherlands	11,306	12,367	13,378
Poland	1,298	1,277	1,460
Rumania	84,490	83,492	87,600
U.S.S.R. ³	826,477	945,340	1,080,400
United Kingdom	591	621	649
Yugoslavia	3,267	4,188	6,671
Totals	1,011,207	1,137,731	1,289,482
Asia:			
Bahrain	14,823	16,473	16,500
Burma	3,454	3,967	4,078
China ⁴	6,000	15,330	26,280
India	3,258	3,377	3,370
Indonesias	118,711	139,038	152,988
Iran	301,361	344,800	390,754
Iraq	266,125	311,193	353,833
Israel	642	925	930
Japan	2,563	2,852	3,678
Kuwait	509,654	504,855	594,278
Kuwait—Neutral Zone	29,469	42,438	49,829
Pakistan	2,272	2,333	2,636
Qatar	63,412	61,431	63,088
Sarawak and Brunel	39,551	40,072	34,005
Saudi Arabia	370,486	399,821	456,453
Taiwan (Formosa)	15	13	14
Turkey	2,379	2,700	2,624
Totals³	1,734,175	1,891,618	2,155,338
Africa:			
Algeria	3,315 ⁵	10,625 ⁵	67,408 ⁵
Angola	358	361	477
Congo, Republic of	—	—	365
Gabon Republic	3,550	5,295	5,626
Morocco, Southern Zone	560	712	695
Nigeria	1,970	4,067	6,552
United Arab Republic (Egypt Region)	21,960	21,303	23,968
Totals	31,713	42,363	105,091
Oceania:			
Netherlands New Guinea	1,850	1,656	1,538
New Zealand	5	5	5 ⁴
Totals	1,855	1,661	1,543
World totals	6,607,982	7,133,663	7,683,752

¹ This table incorporates some revisions.² Natural naphtha and gas oil.³ U.S.S.R. in Asia (including Sakhalin) included with U.S.S.R. in Europe.⁴ Estimate.⁵ Including Sahara.

TABLE 17. Production of Natural Gas, 1951-60

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1951	79,460,667	7,158,920	1956	169,152,586	16,849,556
1952	88,686,465	9,517,638	1957	220,006,682	20,962,501
1953	100,985,923	10,877,017	1958	337,803,726	32,057,536
1954	120,735,214	12,482,109	1959	417,334,527	39,609,393
1955	150,772,312	15,098,508	1960	522,972,327	52,196,882

TABLE 18. Production of Natural Gas, by Provinces, 1951-60

Year	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
M cubic feet							
1951	261,579	8,442,842	860,082	69,876,831	—	19,333	79,460,667
1952	202,042	8,302,190	1,007,491	79,149,895	—	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	—	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	—	29,085	120,735,214
1955	186,549	10,852,857	6,706,743	133,007,493	—	18,670	150,772,312
1956	190,322	12,811,618	9,807,697	146,133,893	187,846	21,210	169,152,586
1957	176,417	14,400,913	13,994,347	183,140,820	8,274,942	19,243	220,006,682
1958	123,957	16,147,986	18,819,795	239,049,591	63,638,297	24,100	337,803,726
1959	117,502	16,839,236	33,612,966	297,568,926	69,128,708	67,189	417,334,527
1960	98,701	16,987,056	36,571,633	383,682,986	85,592,166	39,785	522,972,327

TABLE 19. Production¹ of Natural Gas, by Provinces, 1959 and 1960

Province	1959		1960	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	117,502	188,394	98,701	151,603
Ontario	16,839,236	6,516,784	16,987,056	6,573,990
Saskatchewan	33,612,966	3,327,684	36,571,633	3,722,992
Alberta	297,568,926	24,995,790	383,682,986	34,148,675
British Columbia	69,128,708	4,558,023	85,592,166	7,587,403
Northwest Territories	67,189	22,718	39,785	12,219
Totals	417,334,527	39,609,393	522,972,327	52,196,882

¹ Sold and used by producers.

TABLE 20. Production¹ of Natural Gas, by Months and by Provinces, 1960

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada ²
	M cu. ft.					
January	10,735	2,113,181	3,382,260	37,637,793	7,387,622	50,535,935
February	9,394	2,123,922	3,203,171	33,855,911	6,942,684	46,141,890
March	9,556	2,343,721	3,476,814	36,307,465	7,327,705	49,469,928
April	8,114	1,197,000	2,831,528	30,056,439	7,199,831	41,296,338
May	7,689	959,000	2,773,155	28,634,571	7,067,390	39,443,048
June	6,858	821,000	2,763,394	25,208,092	6,878,830	35,680,979
July	6,570	766,323	2,618,021	23,916,683	6,746,958	34,057,816
August	6,122	794,624	2,549,018	24,333,272	6,770,999	34,457,225
September	6,846	951,787	2,651,633	26,140,225	6,694,895	36,448,582
October	7,824	1,121,061	3,198,472	32,831,408	7,026,380	44,186,193
November	8,020	1,426,498	3,481,904	38,686,295	7,329,191	50,934,633
December	10,973	2,368,939	3,642,263	46,074,832	8,219,671	60,319,760
Totals	98,701	16,987,056	36,571,633	383,682,986	85,592,166	522,972,327

¹ Sales and consumption by producers.² Includes 39,785 M cu. ft. in the Northwest Territories.

TABLE 21. Production of Natural Gas in Ontario, by Fields, 1960

County	Field	Producing formation	1960
			M cu. ft.
Elgin	Cowal	Salina Guelph	18,280
	Richmond Eden and Vienna	Clinton Whirlpool	32,811
	Townline and Woodgreen	Salina Guelph	68,006
Essex	Staples	Guelph	7,640
	Kingsville	Guelph	12,347
	Leamington	Guelph	1,575
Halton	Acton	Gull River	51,553
Haldimand	Haldimand	Clinton, Grimsby Whirlpool	747,014
Lincoln			
Wentworth			
Kent	Guilds	Salina	76,130
	Dresden	Guelph	152,858
	Camden Gore	Salina	15,057
	Chatham	Salina Guelph	136,662
	Declute	Salina Guelph	473,598
	Dover	Trenton	63,712
	Wolfe	Salina	7,698
	Morpeth	Salina	373,205
	Tilbury	Salina Guelph	2,955,012
	Zone	Salina Guelph	155,186
Lambton	East Becher	Guelph	41,231
	West Becher	Salina Guelph	412,565
	Bickford	Salina Guelph	1,698,563
	Colinville-Kimball	Salina Guelph	3,719,522
	Corunna	Salina Guelph	327,482
	Dawn, miscellaneous	Salina Guelph	41,326
	Dawn 156	Salina Guelph	2,705,297
	Mandaumin	Guelph	222,845
	Seckerton	Salina Guelph	518,484
	Sombra	Guelph	157,148
	Waubuno	Salina Guelph	90,361
Middlesex and Elgin	Wardsville	Salina Guelph	166,898
Norfolk	Norfolk	Clinton, Grimsby	1,020,552
Oxford	Norwich South	Irondequoit	19,933
Welland	Welland	Grimsby Whirlpool and Irondequoit	308,494
Huron	Bayfield, Dashwood and Zurich	Guelph	188,011
Total, Ontario			16,987,056

TABLE 22. Number of Gas Wells, by Provinces, 1958-60

		New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada
		number					
Productive wells at beginning of year	1958	47	3,150	20	352	14	3,583
	1959	47	3,011	19	383	16	3,476
	1960	47	3,006 ^r	235 ^r	1,541 ^r	158 ^r	4,987 ^r
Number of productive wells drilled.....	1958	—	88	—	38	2	128
	1959	—	91	—	32	5	128
	1960	—	76	10	220	35	341
Number of dry wells drilled	1958	1	22	—	6	5	34
	1959	2	43	—	9	4	58
	1960	1	40	6	83	14	144
Number of wells abandoned	1958	—	47	—	3	2	50
	1959	—	93	—	2	—	95
	1960	—	175	30	38	4	247
Productive wells at end of year	1958	47	3,191	20	387	16	3,661
	1959	47	3,009	19	413	21	3,509
	1960	47	2,907	215	1,723	189	5,081

TABLE 23. Natural Gas Pipe Line Mileage of the Gas Utilities and the Gas Pipe Line Transport Industries¹, by Province, as at December 31, 1953-59

Source: Gas Utilities—Catalogue No. 57-205

	1953 ²	1954 ²	1955 ²	1956 ^{2,3}	1957	1958	1959
	miles						
Gathering: ⁴							
New Brunswick	21	21	21	10	10.6	10.6	10.6
Quebec	—	—	—	—	—	—	—
Ontario	2,446	2,079	2,166	851	941.2	940.4	955.4
Manitoba	—	—	—	—	—	—	—
Saskatchewan	115	188	474	99	91.8	311.3	278.2
Alberta	1,624	1,820	1,915	948	972.0	1,633.8	1,810.4
British Columbia	—	6	6	6	120.5	212.5	253.2
Totals	4,206	4,114	4,582	1,914	2,136.1	3,108.6	3,307.8
Transmission:							
New Brunswick	—	—	—	11	11.4	11.4	11.4
Quebec	—	—	—	—	26.5	26.5	26.5
Ontario	—	—	—	1,284	2,519.6	3,466.1	3,528.6
Manitoba	—	—	—	—	354.0	375.0	391.3
Saskatchewan	—	—	—	635	1,093.2	1,395.2	1,782.9
Alberta	—	—	—	1,797	2,127.3	2,581.2	3,096.5
British Columbia	—	—	—	37	1,101.6	1,101.7	1,103.5
Totals	—	—	—	3,764	7,233.6	8,957.1	9,940.7
Distribution:							
New Brunswick	65	65	65	65	65.4	65.4	65.4
Quebec	—	—	—	—	962.5	971.1	1,027.4
Ontario	2,258	3,560	3,778	4,667	5,769.9	8,094.9	9,144.3
Manitoba	—	—	—	146	433.0	509.8	690.3
Saskatchewan	31	80	162	339	879.3	946.7	1,060.0
Alberta	1,503	1,506	1,672	1,879	2,075.0	2,201.9	2,465.5
British Columbia	—	5	6	925	1,902.1	2,379.9	2,709.3
Totals	3,857	5,216	5,683	8,021	12,087.2	15,169.7	17,162.2
Grand totals	8,063	9,330	10,265	13,699	21,456.9	27,235.4	30,410.7

¹ Includes pipe line mileage of producing companies.² Source: Department of Mines and Technical Surveys questionnaire returns and estimates.³ Does not include 210 miles of Trans-Canada pipe line laid in 1956.⁴ Includes transmission lines for 1953-55.

TABLE 24. Sales¹ of Manufactured and Natural Gas, 1959 and 1960

	1959			1960 ²		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold ³	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas:						
Domestic (including house heating)	12,821	606,128	663,626	12,096	636,640	726,759
Industrial	83	126,417	86,732	71	920,313	250,763
Commercial	873	195,955	210,507	837	187,094	217,114
Miscellaneous	—	—	—	—	—	—
Totals	13,777	928,500	960,865	13,004	1,744,047	1,194,636
Natural gas:						
Domestic	1,028,142	97,937,027	91,191,049	1,052,356	110,189,872	106,929,902
Industrial	6,595	141,694,838	41,440,989	7,082	163,049,059	52,462,677
Commercial	84,292	43,485,254	27,108,726	89,522	51,108,516	34,635,088
Miscellaneous	132	112,970	41,045	125	120,957	46,743
Totals	1,119,161	283,230,089	159,781,809	1,149,085	324,468,404	194,074,410
Totals, all gas	1,132,938	284,158,589	160,742,674	1,162,089	326,212,451	195,269,046

¹ Sales by distributing companies to final consumers; amounts used by producers are not included.² Data subject to revision.³ At 14.73 pounds per square inch absolute 60°F. and 500 B.T.U.**TABLE 25. Sales¹ of Natural Gas, by Areas, 1960**

	Domestic (including house heating)	Industrial	Commercial	Miscellaneous
	M cu ft.			
New Brunswick	79,265	—	1,339	—
Ontario and Quebec	46,329,764	53,837,220	14,730,973	2,309
Manitoba and Saskatchewan	14,926,240	19,905,414	7,088,466	47,834
Alberta	38,381,364	77,647,387	25,633,681	69,103
British Columbia	10,473,239	11,659,038	3,654,057	1,711
Totals	110,189,872	163,049,059	51,108,516	120,957

¹ Data is subject to revision.

TABLE 26. Employees and their Earnings in the Crude Petroleum and Natural Gas Industry, 1959 and 1960

	Employees					Earnings		
	Office and administration		Workmen		Total	Office and adminis- tration	Workmen	Total
	Male	Female	Male	Female				
1959	number					dollars		
New Brunswick	4	2	33	—	39	16,416	94,876	111,292
Ontario	56	23	660	1	740	269,051	2,371,711	2,640,762
Manitoba	18	3	83	—	104	149,897	387,362	537,259
Saskatchewan.....	333	63	770	2	1,168	2,442,488	3,629,029	6,071,517
Alberta	771	196	3,280	85	4,332	6,025,055	16,240,162	22,265,217
British Columbia	138	23	161	5	327	974,354	1,041,420	2,015,774
Northwest Territories	9	—	2	—	11	49,323	10,504	59,827
Totals	1,329	310	4,989	93	6,721	9,926,584	23,775,064	33,701,648
1960								
New Brunswick	—	—	18	—	18	—	63,097	63,097
Quebec	2	—	6	—	8	21,600	23,623	45,223
Ontario	38	16	171	1	226	206,873	459,472	666,345
Manitoba	16	3	77	—	96	110,483	366,174	476,657
Saskatchewan.....	249	46	569	4	868	1,867,205	2,677,881	4,545,086
Alberta	777	164	2,857	84	3,882	5,725,542	14,756,554	20,482,096
British Columbia	151	25	79	—	255	1,132,748	458,551	1,591,299
Northwest Territories	7	—	4	—	11	43,795	24,545	68,340
Yukon	2	—	5	—	7	5,610	37,676	43,286
Totals	1,242	254	3,786	89	5,371	9,113,856	18,867,573	27,981,429

TABLE 27. Employees and their Earnings in the Crude Petroleum and Natural Gas Industry, 1956-60

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number						dollars		
1956	1,623	481	5,925	63	8,092	18,903,455	10,486,524	25,866,165	36,352,689
1957.....	1,599	340	5,764	118	7,821	18,726,650	9,910,576	26,391,538	36,302,114
1958.....	1,570	314	5,082	98	7,064	16,622,903	10,345,287	22,970,719	33,316,006
1959.....	1,329	310	4,989	93	6,721	14,470,594	9,926,584	23,775,064	33,701,648
1960.....	1,242	254	3,786	89	5,371	11,183,693	9,113,856	18,867,573	27,981,429

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 28. Workmen, by Months, in the Crude Petroleum and Natural Gas Industry, 1959 and 1960
(Number on pay-roll on the last work-day of each month)

Month	1959			1960		
	Male	Female	Total	Male	Female	Total
January	4,672	89	4,761	3,518	83	3,601
February	4,677	89	4,766	3,504	86	3,590
March	4,717	86	4,803	3,492	82	3,574
April	4,668	84	4,752	3,505	84	3,589
May	5,087	93	5,180	3,927	78	4,005
June	5,195	98	5,293	4,050	94	4,144
July	5,248	99	5,347	3,999	92	4,091
August	5,199	95	5,294	4,020	102	4,122
September	5,190	93	5,283	3,981	90	4,071
October	5,125	93	5,218	3,873	88	3,961
November	4,999	90	5,089	3,722	85	3,807
December	4,791	93	4,884	3,468	86	3,554
Averages	4,989	93	5,082	3,786	89	3,875
<i>Total man-hours worked</i>			<i>10,963,495</i>			<i>8,136,913</i>

TABLE 29. Fuel and Electricity Used in the Crude Petroleum and Natural Gas Industry, 1960

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines short ton	484	8,682
(b) Imported short ton	—	—
Sub-bituminous coal (from Alberta mines only) short ton	985	2,975
Anthracite coal short ton	—	—
Lignite coal short ton	—	—
Coke (for fuel only) short ton	1	28
Gasoline, (includes gasoline used in cars and trucks) Imp. gal.	5,682,896	2,208,993
Kerosene or coal oil “	12,977	3,216
Fuel oil “	2,682,990	592,866
Wood (cords of 128 cubic feet of piled wood) cords	—	—
Gas (a) Liquefied petroleum gases (propane, etc.) Imp. gal.	421,637	80,123
(b) Other manufactured gas Imp. gal.	—	—
(c) Natural gas M cu. ft.	2,529,567	222,165
Other fuel short ton	...	—
Electricity purchased for power and lighting kwh.	122,347,775	3,235,619
Electricity purchased for other purposes kwh.	—	—
Totals short ton	...	6,354,667
Electricity generated (a) For own use kwh.	7,272,124	...
(b) For sale kwh.	—	—

Directory of Firms in the Crude Petroleum and Natural Gas Industries, 1960

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Box 194, Moncton	Stoney Creek
Quebec:		
Imperial Oil Ltd.	111 St. Clair Ave. W., Toronto, Ontario	Various
Seismograph Service Corp. of Canada	2409 - 3rd St. N.E., Calgary, Alberta	Gaspé, and Three Rivers
Tar Point Oil Company	1610 Sherbrooke St. W., Montreal 28	Gaspé
Ontario:		
A. & C. Gas Syndicate	Ridgeway	Bertie
Able Land & Minerals Ltd.	67 Yonge St., Toronto	Aldborough
Acme Gas & Oil Co.	415 Church St., Dunnville	Moulton and Dunn
Albot Gas & Oil Ltd.	10 Adelaide St. E., Toronto	Aldborough
Allegany Producing Corporation	313 North Main St., Wellsville, New York, U.S.A.	Glencoe
Anchor Petroleum Ltd.	67 Richmond St. W., Toronto	Mosa
Annett, S.C.	Cairo	Euphemia
Anthony Gas & Oil Explorations Ltd.	Acton	Speyside
Arno Mines Ltd.	62 Richmond St. W., Toronto	Dunn
Atkinson, J.	Petrolia	Petrolia
Ayrheart, E.J.	Oil Springs	Oil Springs
Barnhart, E.	Stevensville	Bertie
Bates, N.	Port Colborne	Port Colborne
Beacon Syndicate	102E, Campus Drive, Snyder, N.Y., U.S.A.	Humberstone
Beaver Gas (J.A. Ruegg)	Ridgeway	Bertie
Bengal Dev. Corp. Ltd.	68 Yonge St., Toronto	Holdimand
Benner, K.W.	Fisherville	Rainham and Walpole
Bertie Oil & Gas Ltd.	100 Adelaide St. W., Toronto	Bertie
Bertie Township Gas & Oil Syndicate	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Bluewater Oil & Gas Ltd.	312 Dundas Bldg., London	Various
Bolivar Gas Company	300 Main St., Bolivar, New York, U.S.A.	Walsingham North and South
Booth, Anna	R.R. 2, Niagara Falls	Willoughby
Bova Gas & Development Co. Ltd.	1718 Statler-Hilton Hotel, Buffalo, New York, U.S.A. ..	Charlotteville, Windham and North Walsingham
Bradley, M.	Petrolia	Petrolia
Brae, Ben Co. Ltd.	51 Claremont Drive, Hamilton	Dunn
Brennan, R.J.	101 Main St., Bradford, Penn., U.S.A.	Petrolia
Buck, C.S. Estate	London	Port Rowan
Byers Bros.	Oil Springs	Enniskillen
Byers, Irving	Oil Springs	Enniskillen
Camerina Petroleum Corporation	1711 First City National Bank Bldg., Houston 2, Texas, U.S.A.	D'Clute
Canadian Development	60 East Mapledale, Hazel Park, Michigan, U.S.A.	Euphemia
Cango Development Ltd.	132 Camden Ave., Buffalo 16, New York, U.S.A.	Chatham
Can-York Prospecting Syndicate	Fort Erie	Bertie
Caughell Bros.	Dunnville	Dunnville
Central Pipe Line Co. Ltd.	Aylmer	Bayham, Houghton, and Malahide
Central Seneca Gas Syndicate	Cayuga	Haldimand
Colborne Natural Gas Syndicate	Stevensville	Bertie
Cole, W.J.	Petrolia	Petrolia
Colonial Petroleum Ltd.	Chatham	Dawn
Comfort, N.	102 Inshes Ave., Chatham	Tunks and Duphette
Consolidated West Petroleum Ltd.	2245 Yonge St., Toronto 7	Tilbury
Copeland, Russell	Petrolia	Petrolia
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Ltd.	Welland	Welland
D. & M. Syndicate	Fort Erie	Bertie
Daubaris, F.	Dunnville	Dunn
Dawson, R.	Merlin	Tilbury
Deanna Lee Gas Syndicate	Finch	Bertie
Dell-Burn Gas Ltd.	Fort Erie	Welland
De Mers, Victor E.	Petrolia	Oil Springs and Petrolia
Dickout Bros.	Lowbanks	Moulton
Donald, George Estate	Oil Springs	Oil Springs
Donald, R.	Petrolia	Petrolia
Donalga Company	Simcoe	Langton
Dutch Old Explorations Ltd.	Sarnia	Enniskillen
Edmund Gas Syndicate	Port Colborne	Humberstone
Edward, F.H.	Petrolia	Petrolia
Eede, Dr. John R.L.	Windsor	Norfolk
Ehde, Arthur L.	Lowbanks	Moulton
Elgin Petroleum Corp. Ltd.	Rodney	Rodney
Emerson, H.L.	Dunnville	Moulton, Canboro, and Wainfleet
Fairbank, J.H. Estate	Petrolia	Oil Springs
Felmont Oil Corporation	Rodney	Aldborough
Fendrich, L. & G. Mozer	Tillsonburg	Charlotteville
Fisherville Gas Syndicate	Fisherville	Rainham
Fleet Manufacturing Ltd.	Fort Erie	Bertie
Fletcher, Eva	Glanford Station	Binbrook
Fox, Edward S.	Welland	Thorold
Freer, John	Kerwood	Metcalfe
George, A.	Fort Erie	Bertie
George, F.	Fort Erie	Bertie
Glenard Ltd.	Dunnville	Norfolk
Godby, W.M.	Langton	Walsingham North
Grand River Gas & Oil Syndicate	Canfield	Cayuga North
Greenacres Syndicate	Fort Erie	Fort Erie
Grimsby Natural Gas Co. Ltd.	Grimsby	Lincoln
Gurnell, N. & M.	Stevensville	Stevensville

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1960 — Continued

Name	Address	Location of field
Ontario — Continued:		
Haidon & MacDonald	Chippawa	Willoughby
Haidon L. & P.	Chippawa c/o Royal Bank	Willoughby
Haldimand Gas & Oil Ltd.	Cayuga	Various
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Hallborg, L.	Port Colborne	Humberstone
Heise & Marton Gas Syndicate	14 Church St., Welland	Welland
Hercules Gas Syndicate	368 Ridge St., Ridgeway	Moulton
Highbank Oil Limited	62 King St. W., Chatham	Raleigh
Holmes, E.B.	Bothwell	Bothwell
House, C.C. Estate	Ridgeway	Bertie
Imperial Oil Ltd.	Box 485 London	Various
J. & J. Gas Co.	211 George St., Dunnville	Dunn
J.V.T. Syndicate	102 East Campus Drive, Snyder, New York, U.S.A.	Willoughby
Jackson, P.L.	211 George St., Dunnville	Various
Jarvis Hereford Farms	Jarvis	Walpole
Jewell & Morningstar	Oil Springs	Enniskillen
Kells, Ernest E.	Petrolia	Enniskillen
Keradec Petroleum Ltd.	80 King St. W., Toronto 1	Chatham and Camden Gore
Kerr, J. & J. Co. Ltd.	Petrolia	Enniskillen
Kinsey, O. & L. Estate	Dunnville	Haldimand
Kodyen, E.A.	Bothwell	Zone
Lakeshore Gas Co.	Dunnville	Dunn
Lapp Estate	Niagara Falls	Bertie
Lapp & Arendt	Stevensville	Stevensville
Lejeune, Louis F.	Fort Erie	Bertie
Lewis, W.G.	Oil Springs	Enniskillen
Lincoln Natural Gas Ltd.	Dunnville	Haldimand and Welland
Linda Lee Syndicate	Ridgeway	Bertie, Willoughby and Crowland
Long Point Gas & Oil Ltd.	Simcoe	Norfolk and Haldimand
M.M.T. Syndicate	102 East Campus Drive, Snyder, N.Y., U.S.A.	Humberstone
MacAnn Wall Prospecting Syndicate	1450 Broadway, Buffalo, N.Y., U.S.A.	Bertie
MacGillivray, Margaret	Oil Springs	Oil Springs
MacIntyre & Hawkins	26 Wintemute, Fort Erie	Humberstone
Maguire, J.	Clifford	Walpole and Woodhouse
Marcus, Louis A.	Wallacetown	Dunwich
McKechnie, Sam Estate	Dunnville	Walpole
McMaster, R. & Sons Co. Ltd.	Caledonia	Gobels
McPherson, Ross Lionel Drilling Ltd.	88 Thompson Blvd., Riverside	Harwich
Medina Gas Syndicate	Welland	Crowland
Myers, Paul	397 Niagara Blvd., Fort Erie	Willoughby
Minor & Luck	Dundas	Sherbrooke
Mitchell, Charles	Oil Springs	Oil Springs
Mitchell, Gerald	Oil Springs	Enniskillen
Monarch Gas & Oil Syndicate	Fisherville	Walpole
Morningstar, George	Oil Springs	Enniskillen
Morningstar, H.M.	Oil Springs	Oil Springs
Morningstar, R.	Ridgeway	Ridgeway
Morrison, Doris E.	Langton	Walsingham North
Mulgrave Gas Syndicate	Stevensville	Bertie
Murdoch, Watson W.	R.R. 9 Dunnville	Dunn
N.Y.K. Oil (Canada) Ltd.	Sarnia	Euphemia
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Newport Gas Syndicate	Fort Erie	Wainfleet
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece, Bros.	Lowbanks	Sherbrooke
Nigh, C.	Stevensville	Willoughby
Norgas Development Ltd.	Simcoe	Charlotteville
North Shore Gas Co.	Fisherville	Rainham
Noyes, L.A., Estate	Stevensville	Willoughby
Nycan Gas Co.	100 Webster St. N., Tonawanda N.Y., U.S.A.	Middleton
Offshore Gas & Oil Corp. Ltd.	121 Richmond St. W., Toronto 1	Long Point Bay
Ontario Land & Oil Co. Ltd.	Petrolia	Petrolia
Pal Oil & Gas Co. Ltd.	St. Thomas	Aldborough
Palcso, John & Marr, Earl	Wainfleet	Wainfleet
Pattinson, E.	Box 520 Aylmer	Dover
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Pegg Enterprises Ltd.	Morpeth	Morpeth
Petrol Oil & Gas Co. Ltd.	703-5th St., Calgary, Alberta	Oneida and Tuscarora
Place Gas & Oil Co. Ltd.	8 King St. E., Toronto 1	Various
Pleasant Beach Gas Syndicate	Sherkston	Willoughby
Pope, W.	Bothwell	Camden and Zone
Prairie Gas & Oil Co. Limited	170 Bay St., Toronto 1	Dover and Raleigh
Provincial Gas Company Limited	Fort Erie	Various
Putman and Putman	Kingsville	Raleigh and Gosfield South
Queenston Gas & Oil Co. Ltd.	Fort Erie	Walsingham South
Rae, Robert	1678 Kister Rd., Niagara Falls	Humberstone
Reid, E.	Petrolia	Petrolia
Richmont Developments Ltd.	368 Ridge St., Ridgeway	Bertie and Humberstone
Riddell-Hanna Explorations Ltd.	139 Eason Ave., Highland Park 3, Mich., U.S.A.	Chatham
Riddell & Meyers Syndicate	Fort Erie	Bertie
Riverside Syndicate	Welland	Crowland
Roberts, Carl	9 South Main St., Coudersport, Penn., U.S.A.	Norfolk
Robinson Road Gas Syndicate	Dunnville	Moulton and Canborough
Roth, Roth & Riggin Ltd.	Petrolia	Aldborough
Roth & Roth Ltd.	Petrolia	Brooke and Enniskillen
Roth, Frank Estate	Ridgeway	Bertie & Humberstone
Round, Josephine	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruch, K.C.	Stevensville	Bertie
Ruegg Gas	Ridgeway	Ridgeway

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1960 — Continued

Name	Address	Location of field
Ontario—Concluded:		
Ruiter, T.	Port Colborne	Humberstone
Sarnoil Ltd.	357 Bay St., Toronto	Enniskillen
Shain, Viola May	Petrolia	Enniskillen
Shamblaw, W.M.	Kerwood	Metcalfe
Sherk and Carrothers	Sherkston	Humberstone
Sherkston Gas Syndicate	Sherkston	Humberstone and Bertie
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Bertie and Humberstone
Simon, B.	367 Ellicott St., Buffalo, N.Y., U.S.A.	Chippawa
Sodom, L. & A. Syndicate	Ridgeway	Willoughby
Standard Gas & Oil Syndicate	Fisherville	Reinham and Walpole
Star Gas Syndicate	Ridgeway	Humberstone and Bertie
Steele, K.	Port Colborne	Humberstone
Stevenson, E.M.	Thamesville	Thamesville
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin	Jarvis	Woodhouse
Submarine Oil & Gas Ltd.	50 King St. W., Toronto	Raleigh
Sunnyside Gas Syndicate	Welland Junction	Humberstone
T.H. & G. Syndicate	Ridgeway	Bertie
Thompson, Arnold	Petrolia	Enniskillen
Tri-County Gas & Oil Co. Ltd.	601 Huron & Erie Bldg., London	Norwich South
Triform Explorations Ltd.	100 Adelaide St. W., Toronto 1	Haldimand and Welland
Trio Gas Company	Dunnville	Canboro
Trunks, James	Bothwell	Zone
Union Gas Company of Canada Limited	Chatham	Various
Valencourt, A. Estate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Vanderburg, L.	Simcoe	Windham
Wainfleet Oil & Gas Ltd.	100 Adelaide St. W., Toronto	Wainfleet and Willoughby
Wale, H.	Stevensville	Humberstone
Warwick, Jack	Bothwell	Zone
Watson, Warwick & Huron Petroleum Ltd.	Chatham	Howard
Weaver, Frank	Port Colborne	Humberstone
Webbwood Exploration Company Limited	62 Richmond St. W., Toronto	Tilbury West
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Dunnville	Humberstone
Welland Iron and Metal Co.	Welland	Crowland
Westwood and Gemmell	Thamesville	Thamesville
Whorton Associates	115 N. Main St., Wellsville, N.Y., U.S.A.	Norfolk
Wilkinson, Mrs. M.	Fort Erie	Thorold
York Producing Company	Bolivar, New York, U.S.A.	Chatham
Yuez Gas Company	732 Brisbane Bldg., Buffalo, U.S.A.	Charlottetown
Zenmac Metal Mines Ltd.	120 Eglinton Ave. E., Toronto 12	Morpeth, Botany and Delhi
Manitoba:		
Amurex Oil Company	703-5th St. W., Calgary, Alberta	Viriden and Roselea
Basco Petroleum Ltd.	706-7th Ave. S.W., Calgary, Alberta	Daly
Bass, Harry Oil Company	239-6th Ave. W., Calgary, Alberta	Viriden
British American Oil Company Limited	800 Bay St., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Viriden
Canadian Devonian Petroleum Ltd.	Box 694, Calgary, Alberta	Viriden, Roselea, and Routledge
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Viriden, Roselea, and Scallion
Canadian Superior Oil of California Ltd.	703-6th Ave. S.W., Calgary, Alberta	Various
Continental Leaseholds Ltd.	2614-6th Ave., Regina, Saskatchewan	Viriden and Roselea
Dillman Oil Properties Ltd.	305 Brent Bldg., Regina, Saskatchewan	Kirkella
Dome Petroleum Limited	706-7th Ave. S.W., Calgary, Alberta	Viriden, Ebor and Hargrave
Eureka Oils Ltd.	176 Sutherland Ave., Winnipeg	Roselea and Viriden
Fargo Oils Ltd.	320-7th Ave. S.W., Calgary, Alberta	Viriden and Roselea
Fosca Oil Co. Ltd.	309-7th Ave. S.W., Calgary, Alberta	Daly
Glacier Petroleum Inc.	2001 Valke Rd., Minot, North Dakota, U.S.A.	West Routledge
Great Lakes Carbon Corporation (Canada) Ltd.	505 Dominion Square Bldg., Montreal, Quebec	Westover
Great Sweet Grass Oils Ltd.	25 King St. W., Toronto, Ontario	Tilston and Whitewater
Halliburton Oil Producing Co.	520 Cameron Bldg., Oklahoma City, Oklahoma, U.S.A.	Routledge and West Routledge
Hegion & Associates Ltd.	Box 1027, Viriden	Viriden and Roselea
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Kranz Oil Ltd.	2001 Valke Rd., Minot, North Dakota, U.S.A.	Viriden and Roselea
Landa Oil Company	5738 North Central Expressway, Dallas, Texas, U.S.A.	Scallion
Lee, Lyle	Waskada	Wildcat
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Viriden and Routledge
Owen, J.P.	400 Victory Bldg., Winnipeg 1	Tilson
Paradise Petroleum Ltd.	Box 2, Viriden	Routledge and Viriden
Peacock Exploration Ltd.	395 Main St., Winnipeg	Viriden
Plymouth Oil Company	512-6th St. S.W., Calgary, Alberta	Kirkella
Pope Oils Ltd.	Box 11, Minot, North Dakota, U.S.A.	South Scallion
Roselea Syndicate	Viriden	Viriden and Roselea
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary, Alberta	Daly
Shannon Oils Ltd.	Box 876, Brandon	North Viriden
Shell Oil Company of Canada, Limited	Box 400, Terminal A, Toronto, Ontario	Viriden and Roselea
Sun Oil Company	Drawer 39, Calgary, Alberta	Viriden
Thunderbird Oils Ltd.	9852-89th Ave., Edmonton, Alberta	Viriden
Union Oil Co. of California	709-8th Ave. W., Calgary, Alberta	Various
Vallat, E.H. Ltd.	8 Michael Bldg., Calgary, Alberta	North Viriden and Scallion
West Canadian Oil & Gas Ltd.	505-8th Ave., Calgary, Alberta	Scallion
Saskatchewan:		
Agawam Oil Co. Ltd.	Box 830, Regina	Benson
Albrumac Oils Ltd.	Alberta Wheat Pool Bldg., Calgary, Alberta	Steelman
Alminex Ltd.	320 Bay St., Toronto 1, Ontario	Milton
Aino Oils Ltd.	353-11th Ave. S.W., Calgary, Alberta	Lloydminster

Directory of Firms in the Crude Petroleum and Natural Gas Industries, 1960 — Continued

Name	Address	Location of field
Saskatchewan—Continued:		
Alask Oil & Gas Ltd.	10123-112th St., Edmonton, Alberta	Carnduff
Altair Oil & Gas Co.	Box 2009 Amarillo, Texas, U.S.A.	Joffre and Ewing Lake
Altana Exploration Co.	Box 1338, Butte, Montana, U.S.A.	Whiteside, Kiyu Lake and Smiley
Ambassador Oil Corporation	Box 9338, Fort Worth, Texas, U.S.A.	Midale
Amerada Petroleum Corp.	703-6th Ave. W., Calgary, Alberta	Alida, Steelman and Queensdale
Amurex Oil Co.	703 Fifth St. W., Calgary, Alberta	Midale and Weyburn
Bass, Harry Oil Company	1150 Mercantile Dallas Bldg., Dallas, Texas, U.S.A.	Coleville
B.C. & M. Enterprises	912-2nd St. N.W., Minot, North Dakota, U.S.A.	Hastings
Brehm Petroleum Ltd.	Box 618, Mt. Vernon, Illinois, U.S.A.	Midale
British American Oil Company Ltd.	800 Bay St., Toronto, Ontario	Various
Buffalo Oil Co. Ltd.	Box 1670, Regina	Alameda
Cabeen Exploration Corporation	706-7th Ave. S.W., Calgary, Alberta	Smiley and Whiteside
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Various
Calvan Consolidated Oils & Gas Co. Ltd.	Bamlett Bldg., Calgary, Alberta	Carnduff
Canadian Bishop Oil Ltd.	640-7th Ave. S.W., Calgary, Alberta	Various
Canadian Delhi Oil Ltd.	505-8th Ave. S.W., Calgary, Alberta	Bone Creek
Canadian Devonian Petroleum Ltd.	Box 694, Calgary, Alberta	Carnduff and Steelman
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Various
Canadian Homestead Oils Ltd.	528-9th Ave. W., Calgary, Alberta	Various
Canadian Kewanee Ltd.	805-8th Ave. S.W., Calgary, Alberta	Steelman
Canadian Oil Companies Ltd.	631-7th Ave. W., Calgary, Alberta	Various
Canadian Superior Oil of California Ltd.	703-6th Ave. W., Calgary, Alberta	Various
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Carnduff
Canpet Exploration Ltd.	720-7th Ave. S.W., Calgary, Alberta	Various
Cascade Drilling Co. Ltd.	635-6th Ave. S.W., Calgary, Alberta	Midale
Ceepee Oil Co. Ltd.	626 Lougheed Bldg., Calgary, Alberta	Various
Central Del Rio Oil Ltd.	224-9th Ave. S.W., Calgary, Alberta	Weyburn
Champlin Oil & Refining Co.	635-6th Ave. S.W., Calgary, Alberta	Various
Colorado Oil and Gas Ltd.	Oil Exchange Bldg., Calgary, Alberta	Various
Consumers' Co-operative Refineries Ltd.	211 Ave. D, North, Saskatoon	Smiley and Eureka
Devon-Palmer Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Dillman Oil Properties Ltd.	305 Brent Bldg., Regina	Various
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary, Alberta	Various
Donna Oils	602 West Hastings St., Vancouver 2, British Columbia	Lloydminster
Dormark Oils Ltd.	401 Lindsay Bldg., Winnipeg 2, Manitoba	Dulwich
Elk Oils Ltd.	Box 188, Humbolt	McLaren
Fair Petroleum	Lloydminster	Lloydminster
Fargo Oils Ltd.	320-7th Ave. S.W., Calgary, Alberta	Various
Fraben Oil Corporation	440 Meadows Bldg., Dallas 6, Texas, U.S.A.	Various
Francona Oil & Gas Ltd.	5 St. James St. E., Montreal, Quebec	Various
Franco Castle No. 10 well	825 Granville St., Vancouver 2, British Columbia	Lloydminster and Lone Rock
French Petroleum Co. of Canada Ltd.	635-6th Ave. S.W., Calgary, Alberta	Torquay
Frontier Refining Co.	4040 East Louisiana Ave., Denver, Col., U.S.A.	Various
General American Oils Ltd.	Meadows Bldg., Dallas 6, Texas, U.S.A.	Coleville
Gridoil Freehold Leases Ltd.	330-9th Ave. W., Calgary, Alberta	Various
Howe, Irvin MacDonald	110 Sugnet Rd., Midland, Michigan, U.S.A.	Wildcat
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Hudson, W.H.	1126 Mercantile Securities Bldg., Dallas, Texas, U.S.A.	Rocanville
Husky Oil & Refining Ltd.	815-6th Ave. W., Calgary, Alberta	Various
Hussar Operators Ltd.	215A-10th St. N.W., Calgary, Alberta	Steelman
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Karels & Rennie	Swift Current	Lloydminster
Keno Oils Ltd.	635-6th Ave. S.W., Calgary, Alberta	Glen Ewen
Kissinger Petroleum Ltd.	2432 South Downing St., Denver 10, Colorado, U.S.A.	Various
Kranz Oil Ltd.	2001 Valke Rd., Minot, North Dakota, U.S.A.	Benson
L.M. Oil Co. Ltd.	314 Royalite Bldg., Calgary, Alberta	Various
Landa Oil Company	5738 N. Central Expressway, Dallas, Texas, U.S.A.	Scallion
Lewis, James A., Engineering Ltd.	635-6th Ave. S.W., Calgary, Alberta	Cantuar
Lloydminster Gas Co. Ltd.	Lloydminster	Lloydminster
Lone Rock Gas Co.	Lone Rock	Lone Rock
McAlester Canadian Oil Co.	Box 210, Magnolia, Arkansas, U.S.A.	Weyburn and Midway
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Various
Medallion Petroleum Ltd.	512-4th Ave. W., Calgary, Alberta	Hastings
Meyers, H.	Lloydminster	Marsden
Mobil Oil of Canada Ltd.	Mobil Oil Co., Calgary, Alberta	Various
New Superior Oils of Canada Ltd.	736-8th Ave. W., Calgary, Alberta	Weyburn
Nortex Exploration Corp.	1900 Life of America Bldg., Dallas, Texas, U.S.A.	Gainsboro and Benson
North American Oils Ltd.	602 W., Hastings St., Vancouver 2, British Columbia	Lloydminster
Oliphant & Oliphant	1905 National Bank of Tulsa Bldg., Tulsa, Oklahoma, U.S.A.	Rapdan
Oreca Oil Ltd.	305 Brent Bldg., Regina	West Kingsford
P.A.T. Operators Ltd.	508 Royal Trust Bldg., Edmonton, Alberta	Lloydminster
Pamoil Ltd.	300 Royalite Bldg., Calgary, Alberta	Carnduff and Alameda
Peigan Oil of Canada Ltd.	1027-8th Ave. S.W., Calgary, Alberta	Steelman
Phillips, Joe Ltd.	332-7th Ave. S.W., Calgary, Alberta	Various
Placid Oil Co.	418 Market St., Shreveport, Louisiana, U.S.A.	Nottingham, Glen Ewen and Steelman
R & M. Oil & Gas Ltd.	10123-112th St., Edmonton, Steelman, Alberta	Steelman
Ranger Oil (Canada) Ltd.	505-8th Ave. W., Calgary, Alberta	Various
Rex Oil & Development Co. Ltd.	401 Lindsay Bldg., Winnipeg, Manitoba	Dulwich
Rib Rock Oils Ltd.	Box 790, Prince Albert	Lone Rock
Rogers, A.S.	Lloydminster	Lloydminster
Royalite Oil Company Ltd.	Royalite Bldg., Calgary, Alberta	Various
Rutledge, Paul F.	Box 2239, Santa Fe, New Mexico, U.S.A.	Midale
Sarcee Petroleum Ltd.	640-7th Ave. S.W., Calgary, Alberta	Eureka-Dodsland
Saskatchewan Power Corporation	1739 Cornwall St., Regina	Hatton
Saskatoon Petroleum	602 W. Hastings St., Vancouver, British Columbia	Lloydminster
Shell Oil Company of Canada, Ltd.	Box 400, Terminal A, Toronto 1, Ontario	Various
Sinclair Canada Oil Co.	Box 521, Tulsa, Oklahoma, U.S.A.	Alameda, Steelman and Weyburn
Skelly Oil Company	Box 1650, Tulsa, Oklahoma, U.S.A.	Various
Sohio Petroleum Company	309-8th Ave. W., Calgary, Alberta	Various
Spelman Prentice & Associates	1 Professional Bldg., Tarrytown, New York, U.S.A.	Various
Stekoll Petroleum Corporation	1100 Mercantile Continental Bldg., Dallas Texas, U.S.A.	Alameda

Directory of Firms in the Crude Petroleum and Natural Gas Industries 1960 — Continued

Name	Address	Location of field
Saskatchewan—Concluded:		
Sun Oil Company	805-8th Ave. S.W., Calgary, Alberta	Various
Swiss Oils of Canada (1959) Ltd.	513-8th Ave. W., Calgary, Alberta	Lloydminster
Texaco Exploration Co.	237-7th Ave. S.W., Calgary, Alberta	Various
Tidewater Oil Co.	Box 1404, Houston 1, Texas, U.S.A.	Various
Trans-Western Oils Ltd.	604-1st Ave. S.W., Calgary, Alberta	Lone Rock, Lloydminster and Silverdale
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta	Steelman
Union Texas Natural Gas Corp.	309-7th Ave. S.W., Calgary, Alberta	Alamada and Steelman
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary, Alberta	Various
Valentia Oil Corporation Ltd.	67 Yonge St., Toronto 1, Ontario	Dulwich
Viscount Oil & Gas Ltd.	500 Bentall Bldg., Calgary, Alberta	Steelman
West Canadian Oil & Gas Limited	505-8th Ave. S.W., Calgary, Alberta	Various
Western Allenbee Oil & Gas Co. Ltd.	204-569 Howe St., Vancouver 1, British Columbia	Lloydminster
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary, Alberta	North Premier
Western Leaseholds Ltd.	736-8th Ave. S.W., Calgary, Alberta	Midale, Weyburn and Carnduff
Whitehall Canadian Oils Ltd.	Can. Bank of Commerce Bldg., Toronto, Ontario	Various
Whiterock Explorations Ltd.	10123-112th St., Edmonton, Alberta	Steelman
Williamson Oil & Gas Ltd.	444-7th Ave. S.W., Calgary, Alberta	Various
Woodley Canadian Oil Company	1200 Elveden House, Calgary, Alberta	Batrum and Carnduff
Alberta:		
Ace Oils Ltd.	706-7th Ave. S.W., Calgary	Lloydminster
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Various
Albert Clay Products Division	Medicine Hat	Medicine Hat
Alberta Oil Incomes Limited	330-9th Ave. W., Calgary	Turner Valley
Alberta Pacific Consolidated Oils Ltd.	635-6th Ave. S.W., Calgary	Turner Valley
Alberta Pacific Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Allied Roxana Minerals Ltd.	227-7th Ave. S.W., Calgary	Whitelaw
Allied Royalties Ltd.	201 Lancaster Bldg., Calgary	Turner Valley
Altair Oil & Gas Co.	627-8th Ave. S.W., Calgary	Hamilton Lake and Drumheller
Altana Exploration Company	Box 1338, Butte, Montana, U.S.A.	Caroline and Keg River
Ambassador Oil Corp.	Box 9338, Fortworth, Texas, U.S.A.	Various
Amerada Petroleum Corporation	703-8th Ave. W., Calgary	Various
American Leduc Petroleum Ltd.	10435-124th St., Edmonton	Bashaw
American Northland Oil Co. Ltd.	635-6th Ave. S.W., Calgary	Leduc and Wainwright
Amurex Oil Company	703-5th St. W., Calgary	Various
Anderson-Prichard Oil Corp.	309-7th Ave. S.W., Calgary	Gilby
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary	Camrose, Drumheller and Leduc
Armistie Oil Co. Ltd.	10044-102nd St., Edmonton	Armistie
Asamera Oil Corp. Ltd.	315-8th Ave. S.W., Calgary	Various
Atlantic Refining Co.	Box 7258, Philadelphia, Penn., U.S.A.	Various
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Various
Banff Oil Ltd.	505-8th Ave., Bldg., Calgary	Bellshill and Wimborne
Bashaw Leduc Oil & Gas Ltd.	10347-71st Ave., Edmonton	Joarcam
Bass, Harry Oil Company	239-6th Ave. W., Calgary	Bon Accord and Bantry
Beaver State Wilrich Excelsior Ltd.	222 Tegler Bldg., Edmonton	Lloydminster
Big Five Petroleum Ltd.	201 Lancaster Bldg., Calgary	Leduc and Woodbend
Blair Oil Company	309-8th Ave. S.W., Calgary	Ewing Lake and Fenn Big Valley
Blue Crown Petroleum Ltd.	351-13th Ave. S.W., Calgary	Various
Bonnyville Gas Co. Ltd.	Bonnyville	Bonnyville
Bonnyville Oil & Refining Corp.	1410 Stanley St., Montreal, Quebec	Bonnyville
Brett Oil & Gas Ltd.	315 Lancaster Bldg., Calgary	Chin Coulee
Brinkerhoff Drilling Co. Ltd.	220 Bentall Bldg., Calgary	Joffre
British American Oil Co. Ltd.	800 Bay St., Toronto	Various
Cabeen Exploration Corp.	706-7th Ave. S.W., Calgary	Various
California Standard Company	Medical Arts Bldg., Calgary	Taber, Conrad and Princess
Calvan Consolidated Oil & Gas Company Limited	736-8th Ave. S.W., Calgary	Various
Calvin Royalties Limited	330-9th Ave., Calgary	Turner Valley
Campbell, R. & Associates	1718-5th Ave. W., Vancouver, British Columbia	Leduc Woodbend
Canada-Cities Service Petroleum Corporation	Bartlesville, Oklahoma, U.S.A.	Various
Canadian American Royalties Ltd.	123 Petroleum Bldg., Calgary	Crossfield
Canadian Bishop Oil Ltd.	640-7th Ave. S.W., Calgary	Various
Canadian Chieftain Petroleum Ltd.	8631-109th St., Edmonton	Joffre, Namao and Provost
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Various
Canadian Export Gas & Oil Ltd.	203 Oil Exchange, Calgary	Various
Canadian Fina Oil Limited	736-8th Ave. S.W., Calgary	Various
Canadian High Crest Oils Ltd.	528-9th Ave. W., Calgary	Wainwright, Baxter Lake, Leduc and Malmo
Canadian Industrial Gas Ltd.	528-9th Ave. S.W., Calgary	Morinville, St. Albert and Big Lake
Canadian Kewanee Ltd.	805-8th Ave. S.W., Calgary	Various
Canadian-Montana Gas Company Ltd.	Box 1338, Butte, Montana, U.S.A.	Various
Canadian Oil Co. Ltd.	631-7th Ave. W., Calgary	Various
Canadian Pacific Oil & Gas Ltd.	Box 896, Calgary	Various
Canadian Seaboard Oil Co.	237-7th Ave., Calgary	Various
Canadian Superior Oil of California Ltd.	703-8th Ave. W., Calgary	Various
Canadian Western Natural Gas Co. Ltd.	140-6th Ave. S.W., Calgary	Various
Canadian Western Powers & Fuel Co. Ltd.	Redcliff	Medicine Hat
Cancrude Oil & Gas Co. Ltd.	444-7th Ave. S.W., Calgary	Pembina
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary	Various
Ceepee Oil Co. Ltd.	626 Lougheed Bldg., Calgary	Lobstick-Pembina
Central Del Rio Oils Ltd.	224-9th Ave. S.W., Calgary	Leduc-Woodbend
Century Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Champlin Oil & Refining Co.	635-6th Ave. S.W., Calgary	Various
Charter Oil Co. Ltd.	850 W. Hastings St., Vancouver, British Columbia	Various
Colorado Oil & Gas Ltd.	Oil Exchange Bldg., Calgary	Various
Consolidated East Crest Oil Co. Ltd.	718-8th Ave. S.W., Calgary	Whitemud
Crest Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Daveroy Oil Co. Ltd.	Box 4432, Edmonton	Joarcam
DeKalb Petroleum Corporation	635-8th Ave. S.W., Calgary	Sundre, Westward Ho and Pembina
Dempsey Oils Ltd.	117B-8th Ave. S.W., Calgary	Leduc-Woodbend

Directory of Firms in the Crude Petroleum and Natural Gas Industries 1960 - Continued

Name	Address	Location of field
Alberta--Continued:		
Devon Palmer Oils Ltd.	320-7th Ave. S.W., Calgary	Chauvin, Pembina and Red Coulee
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary	Pembina, Drumheller and Redwater
Dominion Glass Co. Ltd.	1111 Beaver Hall Hill, Montreal, Quebec	Medicine Hat
Dundee Oils Ltd.	10852-82nd Ave., Edmonton	Leduc Woodbend
Eldon Royal American Model #1	201 Lancaster Bldg., Calgary	Legal
Elk Point Gas Ltd.	Elk Point	Elk Point
Flamingo Oils Limited	402-100 Adelaide St. W., Toronto, Ontario	Various
Fosca Oil Co. Ltd.	309-7th Ave. S.W., Calgary	Battle South and Wainright
French Petroleum Co. of Can. Ltd.	635-6th Ave. S.W., Calgary	Various
Golden Spike Western Petroleum Ltd.	508 Royal Trust Bldg., Edmonton	Joarcam
Goodyear Tire and Rubber Co. of Canada Ltd.	Medicine Hat	Medicine Hat
Great Plains Development Company of Canada Ltd.	528-9th Ave. W., Calgary	Various
Hales Oil & Gas Co. Ltd.	433-4th Ave., Calgary	Ellerslie
Harris Well No. 2	201 Lancaster Bldg., Calgary	Turner Valley
Home Oil Company Limited	304-6th Ave. W., Calgary	Various
Hudson's Bay Oil & Gas Co., Ltd.	320 Seventh Ave. W., Calgary	Various
Hunt Oil Company	700 Mercantile Bldg., Dallas, Texas, U.S.A.	Ferrier
Husky Oil & Refining Ltd.	815-6th St. W., Calgary	Lloydminster, Leduc, and Vale Dome
Imperial Oil Ltd.	111 St. Clair Ave., Toronto, Ontario	Various
Inland Gas & Oil Co. Ltd.	306 Alexandra Bldg., Edmonton	Viking-Kinsella
Ireton Petroleum Ltd.	10347-71st Ave., Edmonton	Chamberlain
Kali Ltd.	Box 4160, Edmonton	Leduc-Woodbend
Kamalta #1	201 Lancaster Bldg., Calgary	Turner Valley
Kelcam Oils Ltd.	6503-103rd St., Edmonton	Leduc-Woodbend
Keno Oils Ltd.	Box 4160, Edmonton	Leduc-Woodbend
Kerr-McGee Oil Industries Inc.	Kerr-McGee Bldg., Oklahoma City, Oklahoma, U.S.A.	Prevo and Sylvan Lake
L.B. Oils Ltd.	Macdonald Hotel, Edmonton	Leduc-Woodbend
Leamac Petroleum Ltd.	201-227-7th Ave. S.W., Calgary	Leduc-Woodbend
Leduc Calmar Oil Co. Ltd.	321A-7th Ave. S.W., Calgary	Leduc-Woodbend
Lewis, James A. Engineering Ltd.	635-6th Ave. S.W., Calgary	Pembina
Lloydminster Gas Co. Ltd.	Drawer H, Lloydminster, Saskatchewan	Lloydminster
Lobitos Oilfields Canada Ltd.	940-8th Ave. W., Calgary	Various
Mac Oils Ltd.	11055-107th St., Edmonton	Various
Major Oil Investments Limited	306 Lancaster Bldg., Calgary	Turner Valley
Many Islands Pipe Lines Ltd.	1739 Cornwall St., Regina, Saskatchewan	Many Islands
Maple Leaf Milling Co. Ltd.	44 Eglinton Ave., Toronto, Ontario	Medicine Hat
Marjack Oils Ltd.	10305-97th St., Edmonton	Leduc
Maryland Petroleum Limited	306 Lancaster Bldg., Calgary	Turner Valley
McAlester Canadian Oil Co.	Box 210, Magnolia, Arkansas, U.S.A.	Various
McConset-Leduc Syndicate	635-6th Ave. S.W., Calgary	Leduc
Medallion Petroleum Ltd.	512-4th Ave. W., Calgary	Various
Medicine Hat City	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Medicine Hat	Medicine Hat
Melton Petroleum Limited	10154-103rd St., Edmonton	Leduc-Woodbend
Metro Oil & Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Midwest Oil Corporation	809-4th St. S.W., Calgary	Various
Mid-Western Industrial Gas Ltd.	11055-107th St., Edmonton	Fort Saskatchewan and Alexander
Miracle Oils Limited	330-9th Ave. W., Calgary	Turner Valley
Miracle Royalties Wells & Valley Oils & Vanpeg Royalties	330-9th Ave. W., Calgary	Turner Valley
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
Monarch Investments Ltd.	Medicine Hat	Medicine Hat
Morgo Oil Operators Limited	Peace River	Lloydminster
New Continental Oil Co. of Canada Ltd.	1170 Elveden House, Calgary	Leduc
New Davies Petroleum Ltd.	330-9th Ave. W., Calgary	Turner Valley
New Superior Oils of Canada Limited	736-8th Ave. S.W., Calgary	Various
New York Oils Ltd.	703-5th St. S.W., Calgary	Penhold
North Canadian Oils Ltd.	640-7th Ave. S.W., Calgary	Various
Northern Natural Gas Producing Co.	2223 Dodge St., Omaha, Nebraska, U.S.A.	Various
Northwestern Utilities Ltd.	10040-104th St., Edmonton	Various
Ogilvie Flour Mills Co. Ltd.	Dominion Square Bldg., Montreal, Quebec	Medicine Hat
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Various
Old Settlers Oils Ltd.	302 Union Bldg., Edmonton	Various
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary	Various
Pamoil Ltd.	300 Royalite Bldg., Calgary	Keystone
Pan American Petroleum Corp.	444-7th Ave. S.W., Calgary	Various
Peigan Oil of Canada Ltd.	1027-8th Ave. S.W., Calgary	Various
Perry Brick & Tile Co. Ltd.	Redcliff	Medicine Hat
Phillips Petroleum Company	Bartlesville, Oklahoma, U.S.A.	Various
Piute Petroleum Ltd.	505 Second St. S.W., Calgary	Wainwright
Plymouth Oil Company	512-6th St. S.W., Calgary	Pembina and Swan Hills
Prensett Corporation	Professional Bldg., Tarrytown, New York, U.S.A.	Bantry South
Provo Gas Producers Ltd.	706-7th Ave. S.W., Calgary	Crossfield, Hughenden and Pembina
Pure Oil Company	1200 Elveden House, Calgary	Morinville
Quinalta Petroleum Ltd.	739-7th Ave. W., Calgary	Leduc-Woodbend
Quintus Leaseholds Ltd.	239-8th Ave. W., Calgary	Pembina
Ranger Oil (Canada) Ltd.	505-8th Ave., West Bldg., Calgary	Various
Redcliff Premier Brick Co.	Redcliff	Medicine Hat
Redwater Oils Ltd.	31 Michael Bldg., Calgary	Hairy Hill
Redwater Water Disposal Co. Ltd.	10509-81st Ave., Edmonton	Redwater
Regent Refining (Canada) Ltd.	509-3rd St. W., Calgary	Swan Hills
Renown Royalties Limited	201 Lancaster Bldg., Calgary	Turner Valley
Richfield Oil Corporation	555 South Flower St., Los Angeles 17, Cal.	Various
Royal American Oil Co. Ltd.	201 Lancaster Bldg., Calgary	Leduc-Woodbend
Royal Canadian Ventures Ltd.	1011-17th Ave. S.W., Calgary	Joffre and Clive
Royalite Model No. 1 Well	201 Lancaster Bldg., Calgary	Turner Valley
Royalite Oil Company Limited	Royalite Bldg., Calgary	Various
Roycan Petroleum Inc.	1011-17th Ave. S.W., Calgary	Innisfail and Regan
Sage Oil Company Limited	10852-82nd Ave., Edmonton	Various
Salt Dome Production Company	737 Texas National Bank Bldg., Houston 2, Texas, U.S.A.	Milk River
Sapphire Petroleum Ltd.	240 Eglinton Ave., Toronto 12, Ontario	Leduc
Sarcee Petroleum Ltd.	640-7th Ave. S.W., Calgary	Leduc-Woodbend

Directory of Firms in the Crude Petroleum and Natural Gas Industries 1960 — Concluded

Name	Address	Location of field
Alberta—Concluded:		
Sasko-Wainwright Oil & Gas Ltd.	302 Union Bldg., Edmonton	Wainwright
Schermerhorn Oil Corporation	Box 287 Tulsa, Oklahoma, U.S.A.	Swan Hills and Redwater
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary	Various
Share Oils Limited	640-7th Ave. S.W., Calgary	Camrose
Sharples Oil Corporation	1700 Broadway, Denver 2, Colorado, U.S.A.	Wildcat
Shaw, R.L. Estate	Lloydminster	Lloydminster
Shell Oil Company of Canada, Limited	Box 400, Terminal A, Toronto, Ontario	Jumping Pound etc.
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Various
Skelly Oil Company	Box 1650, Tulsa, Oklahoma, U.S.A.	Various
Sohio Petroleum Company	309-8th Ave. S.W., Calgary	Wildcat
Southland Royalty Company	611 Fort Worth National Bank Bldg., Fort Worth, Texas, U.S.A.	Hays
Spooner Mines & Oils Ltd.	640-7th St. S.W., Calgary	Turner Valley
Stekoll Petroleum Corp.	1100 Mercantile Continental Bldg., Dallas, Texas, U.S.A.	Various
Sterling Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Sturgeon Petroleum Ltd.	Box 4160, Edmonton	Leduc-Woodbend
Suffield Experimental Station	Ralston	Wildcat
Suffield Gas Distributing System	Suffield	Suffield
Sun Oil Company	P.O. Drawer 39, Calgary	Various
Sunshine Mining Company	W. 300 Mission Ave., Spokane 1, Washington, U.S.A.	Pembina
Supertest Petroleum Corporation Ltd.	Supertest Bldg., London, Ontario	Various
Swain Oils Ltd.	502 Toronto General Trusts Bldg., Calgary	Pembina
Tennessee Gas Transmission Co.	Box 2511, Houston, Texas, U.S.A.	Various
Texaco Canada Ltd.	246 Bloor St. W., Toronto, Ontario	Pembina and Deer Mountain
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Texas Pacific Coal and Oil Company	Box 2110, Fort Worth National Bank Bldg., Fort Worth, Texas, U.S.A.	Excelsior and Nevis
Texfel Petroleum Corporation	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Pembina
Tidal Petroleum Corporation Ltd.	8631-109th St., Edmonton	Lloydminster and Cessford
Tidewater Oil Company	809 Centre St. S.W., Calgary	Pembina
Tilley Gas Co. Ltd.	Tilley	Tilley
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary	Various
Union Oil Co. of California	709-8th Ave. W., Calgary	Various
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary	Various
Vandoo Consolidated Explorations Ltd.	62 Richmond St. W., Toronto, Ontario	Chauvin South
Vanlorne Oils Ltd.	10852-32nd Ave., Edmonton	Leduc-Woodbend
Vermilion Consolidated Oils Ltd.	351-13th Ave. S.W., Calgary	Wildmere
Wardean Drilling Ltd.	534-6th Ave., Calgary	Acheson East
West Canadian Oil & Gas Ltd.	505-8th Ave. W., Calgary	Various
Western Allenbee Oil & Gas Co. Ltd.	569 Howe St., Vancouver 1, British Columbia	Leduc-Woodbend and Wainwright
Western Canadian Venture	309-8th Ave. S.W., Calgary	Harmattan
Western Chemicals Ltd.	31 Michael Bldg., Calgary	Duvernay
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary	Various
Western Leaseholds Ltd.	726-8th Ave. S.W., Calgary	Various
Western Minerals Ltd.	31 Michael Bldg., Calgary	Willington
Western Petroleum Operators Limited	306 Lancaster Bldg., Calgary	Turner Valley
Western Warner Oils Ltd.	215A-10th St., Calgary	Leduc-Woodbend
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ontario	Various
Widney Oil & Drilling Co. Ltd.	Box 4434, Edmonton	Leduc-Woodbend
Winalta Royalties Limited	330-9th Ave., Calgary	Turner Valley
Yeske Petroleum Ltd.	9947-104th St., Edmonton	Leduc-Woodbend
Zapata Canadian Petroleum Corporation	502 Empire Bldg., Calgary	Various
British Columbia:		
Amerada Petroleum Corporation	703-6th Ave. S.W., Calgary, Alberta	Fort St. John
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Boundary Lake
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary, Alberta	Fort St. John
Phillips Petroleum Company	Bartlesville, Oklahoma, U.S.A.	Various
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary, Alberta	Boundary Lake
Sinclair Canada Oil Company	Box 521, Tulsa, Oklahoma, U.S.A.	Fort St. John
Sun Oil Company	805-8th Ave. S.W., Calgary, Alberta	Various
Texaco Exploration Co.	237-7th Ave. W., Calgary, Alberta	Boundary Lake and Wildcat
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta	Beaton River and West Beaton
Union Oil Company of California	709-8th Ave. W., Calgary, Alberta	Various
Western Natural Gas Co. Inc.	Box 1508, Houston 1, Texas, U.S.A.	Various
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	111 St. Clair Ave., Toronto, Ontario	Fort Norman
Shell Oil Co. of Canada Ltd.	Box 400, Terminal A, Toronto 1, Ontario	Various
Yukon:		
Amerada Petroleum Corporation	703-6th Ave. S.W., Calgary, Alberta	Bell River
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Various
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Hunt Oil Company	700 Mercantile Bank Bldg., Dallas 1, Texas, U.S.A.	Various
Pan American Petroleum Corporation	444-7th Ave. S.W., Calgary, Alberta	Various
Texaco Exploration Company	237-7th Ave. S.W., Calgary, Alberta	Various
Union Oil Co. of California	709-8th Ave. W., Calgary, Alberta	Various

NATURAL GAS PROCESSING PLANTS, 1960

This report includes statistics for industry 065—Natural Gas Processing Plants of the Standard Industrial Classification Manual (Catalogue No. 12-501).

This is a new classification wherein some firms which had been classified in the manufacturing industries have been transferred to the mineral industry. Some of the statistics prior to 1960 were included in the compressed gases industry.

The first natural gas processing plant in Alberta was put into operation in 1933 to recover the natural gasoline or "naphtha". As natural gas became a more important commodity it has become necessary to build more plants to supply dry, clean, natural gas. In processing the wet sour natural gas the by-products which are made include propane, butane, propane-butane mix, natural gasoline, condensate, and hydrogen sulphide. Hydrogen sulphide is further processed to yield elemental sulphur.

TABLE 30. Principal Statistics for the Natural Gas Processing Industry, 1960

Year	Estab- lish- ments	Em- ployees	Earnings	Cost of fuel and electricity at works	Cost of process supplies	Gross selling value of products (f.o.b. works)	Net value of production
	dollars						
1960	30	669	3,790,433	1,288,028	958,186	45,762,880	18,850,529

TABLE 31. Producers Shipments of Natural Gas By-Products, 1960

Product	Saskat- chewan	Alberta	British Columbia	Canada
	dollars			
Propane, butane	1,436,564	14,021,998	593,648	16,052,210
L.P.G.—Mix, condensate				
Natural gasoline				

TABLE 32. Production and Sales of Natural Gasoline and Naphtha in Alberta, 1959 and 1960

	1959	1960
Production—by fields:		
Acheson	18,233	15,307
Bonnie Glen	143,856	138,515
Cessford	48,969	53,028
Countess	—	828
Hussar	4,493	50,037
Jumping Pound	73,861	70,113
Leduc-Woodbend	120,901	122,714
Morinville	49,666	49,933
Nevis	42,064	93,969
Pembina	359,927	349,881
Prevo	—	202
Redwater	36,982	30,726
Sedalia	—	17
Turner Valley	496,773	459,340
Wayne-Rosedale	1,254	10,075
Wood River	—	2
Totals, Alberta	1,396,979	1,444,687
Transferred to oil	1,378,024	1,396,254
Sales	\$ 3,299,341	3,388,848

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number						dollars		
1960	152	20	496	1	669	1, 404, 606	1, 010, 143	2, 780, 290	3, 790, 433

(Number on pay-roll on the last work-day of each month)

TABLE 35. Fuel and Electricity Used in the Natural Gas Processing Plants, 1960

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines	—	—
(b) Imported	—	—
Sub-bituminous coal (from Alberta mines only)	—	—
Anthracite coal	—	—
Lignite coal	—	—
Coke (for fuel only)	—	—
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal. 74,872	16,509
Kerosene or coal oil	" 2,013	554
Fuel oil	" 17,820	3,926
Wood (cords of 128 cubic feet of piled wood)	—	—
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal. 678,630	36,210
(b) Other manufactured gas	—	—
(c) Natural gas	M. cu. ft. 8,297,318	737,474
Other fuel	—	—
Electricity purchased for power and lighting	kwh. 40,263,670	493,355
Electricity purchased for other purposes	—	—
Totals .....	...	1,288,028
Electricity generated (a) For own use	kwh. 5,774,100	...
(b) For sale	—	—

Directory of Firms in the Natural Gas Processing Industry, 1960

Name	Address	Location of field
Saskatchewan:		
Nottingham Gas Limited	1825 McIntyre St., Regina	Alida
Saskatchewan Power Corporation	1739 Cornwall St., Regina	Coleville-Smiley
Smiley Gas Conservation Ltd.	1825 McIntyre St., Regina	Smiley
Steelman Gas Ltd.	706-7th Ave. S.W., Calgary, Alberta	Steelman
Alberta:		
Anglo American Exploration Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
British American Oil Company Limited	800 Bay St., Toronto, Ontario	Nevis and Pincher Creek
California Standard Company	Medical Arts Bldg., Calgary	Nevis and Princess
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary	Sedalia
Canadian Fina Oil Ltd.	Fina Bldg., Calgary	Windfall
Canadian Industrial Gas Processors Ltd.	528-9th Ave. S.W., Calgary	St. Albert
Canadian Oil Companies Ltd.	631-7th Ave. S.W., Calgary	Innisfail
Canadian Pacific Oil & Gas Ltd.	Box 896, Calgary	Hussar
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary	Cessford
Chieftain Mac Gas Ltd.	8631-109th St., Edmonton	Provost
Goliad Oil & Gas Co. Ltd.	610 Hudson's Bay Oil & Gas Bldg., Calgary	Pembina
Home Oil Company Limited	304-6th Ave. S.W., Calgary	Carstairs
Hudson's Bay Oil and Gas Co. Ltd.	320-7th Ave. W., Calgary	Cessford and Oyen
Imperial Oil Limited	111 St. Clair Ave. W., Toronto 7, Ontario	Leduc-Woodbend and Redwater
Kerr-McGee Oil Industries Inc.	929-17th Ave. S.W., Calgary	Prevo
Mid-Western Industrial Processors Ltd.	11055-107th St., Edmonton	Alexander
Pan American Petroleum Corporation	444-7th Ave. S.W., Calgary	Windfall
Progas Ltd.	Box 781, Calgary	Acheson
Provo Gas Producers Ltd.	706-7th Ave. S.W., Calgary	Provo Viking
Royalite Oil Company Limited	Royalite Bldg., Calgary	Turner Valley
Shell Oil Co. of Canada Ltd.	1027-8th Ave. W., Calgary	Jumping Pound
Tenneco Oil Company	Box 1051, Calgary	Wayne-Rosedale
Tennessee Gas Transmission Company	Box 2511, Houston, Texas, U.S.A.	Hussar
Texaco Exploration Company	237-7th Ave. S.W., Calgary	Bonnie Glen and Pembina
Texas Gulf Sulphur Company Inc.	75 East 45th St., New York 17, New York, U.S.A.	Okotoks
Western Leaseholds Ltd.	Fina Bldg., Calgary	Samson
British Columbia:		
Jefferson Lake Petrochemicals of Canada Ltd. ..	413 Petroleum Bldg., Calgary, Alberta	Taylor
Pacific Petroleum Ltd.	Pacific Bldg., Calgary, Alberta	Fort St. John

CATALOGUE No.

26-213

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CANADA

Canada. Statistics, Bureau of

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1961



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EXPLANATORY NOTES

Establishment

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously affected the statistics for particular industries or areas. Where continuity of industry statistics was

affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A manufacturing establishment is typically a factory, mill or plant principally engaged in manufacturing operations. Prior to 1961, the Census of Manufactures attempted to cover the manufacturing activities of all establishments, whether or not they were principally engaged in manufacturing operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in manufacturing are no longer included as manufacturing establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in manufacturing establishments, many non-manufacturing establishments are now surveyed for commodity shipments only and the latter are included in those tables of industry reports showing shipments of certain commodities "from all industries".

SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- * revised figures.

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY, 1961

This report includes statistics for industry 063—Petroleum and Gas Wells of the Standard Industrial Classification Manual (Catalogue No. 12-501).

For convenient reference this publication includes statistics for industry 065—Natural Gas Processing Plants of the Standard Industrial Classification Manual (Catalogue No. 12-501).

During 1961 the Canadian production of crude petroleum amounted to 220,848,080 barrels valued at \$487,560,242 compared with 189,534,221 barrels valued at \$422,926,497 in the preceding year.

Over 157 million barrels came from Alberta wells. The oil fields in Alberta which produced in excess of 3 million barrels were, Bonnie Glen, Fenn-Big Valley, Joarcam, Joffre, Leduc-Woodbend, Pembina, Redwater, Sturgeon Lake South, Swan Hills and Wizard Lake.

Production in Saskatchewan increased to 55.9 million barrels. The following oil fields each had an output in excess of 2 million barrels, Coleville-Smiley, Dollard, Midvale, Nottingham, Steelman, and Weyburn.

Output in Manitoba continued to decline. Fields which produced over a million barrels were Virden-Roselea and North Virden Scallion. Oil production in Ontario exceeded a million barrels. British Columbian output was over a million barrels. There was small increase in the output of the wells in the Northwest Territories. Less crude petroleum was produced in New Brunswick than in the preceding year.

Production of natural gas in Canada during 1961 amounted to 655,737,644 thousand cubic feet valued at \$68,421,918. These figures include the

natural gas sold for domestic, industrial and other uses and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste, reproduction and meter differences, was valued at a nominal wellhead price.

The expansion of transmission and distribution pipelines in central Canada increased the demand for natural gas from the western provinces. Alberta gas increased to 500 billion cubic feet from 383 billion cubic feet in 1960. British Columbia increased the production to over 103 billion cubic feet as compared with over 85 billion cubic feet in the preceding year. The utilized natural gas from Saskatchewan wells amounted to over 37 billion cubic feet. Ontario natural gas decreased to about 14.5 billion cubic feet. There was less gas produced in New Brunswick and there was an increase in the Northwest Territories.

The average number of persons employed by the industry was 4,157 to whom \$23,647,883 were paid in salaries and wages. Fuel cost, \$2,841,117 and 123,368,150 kwh. of electricity were purchased for \$3,319,008. Process supplies were valued at \$8,343,324.

Prior to 1960 the general statistics referred to firms which had producing wells. In 1960 and 1961 some exploration firms were included.

In 1959 the principal statistics of the crude petroleum industry and the natural gas industry were combined into the crude petroleum and natural gas industry. For historical reference the data for the earlier years were recompiled and are shown in Table 1.

**TABLE 1. Principal Statistics of the Crude Petroleum and Natural Gas Industry,
Significant Years, 1929-59**

Basis: Standard Industrial Classification prior to 1960

Year	Firms	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value added by processing ¹
		number				dollars		
1929	521	4,933	4,174	6,023,836	334,944	..	12,924,345	..
1931	305	4,790	2,901	3,706,539	330,432	..	12,966,109	..
1933	349	4,640	2,085	2,424,549	190,272	..	11,288,121	..
1937	499	5,596	3,648	4,828,484	546,877	661,969	15,039,964	13,831,118
1939	570	5,741	3,770	5,104,203	789,944	740,508	21,475,520	19,945,068
1941	503	5,736	4,005	6,096,612	712,845	199,157	26,234,427	25,322,425
1944	435	5,885	4,357	8,700,330	1,188,487	255,460	25,590,715	24,146,768
1946	459	6,139	3,218	5,751,932	1,141,531	131,012	25,313,314	24,040,771
1949	457	7,093	4,365	11,017,867	658,522	390,697	78,673,640	77,624,421
1950	456	7,840	5,035	13,552,063	791,257	1,109,024	91,040,160	89,139,879
1951	489	8,746	5,843	18,010,015	1,237,267	2,148,110	123,056,952	119,671,575
1954	567	12,134	6,757	24,621,117	3,135,341	4,171,184	256,141,175	248,840,650
1955	592	14,126	6,868	26,018,298	3,568,700	5,984,143	319,860,795	310,307,952
1956	554	16,626	8,092	36,352,689	4,806,832	9,087,274	417,565,776	403,671,670
1957	543	18,885	7,821	36,302,114	5,970,451	10,691,980	465,324,929	448,662,498
1958	639	19,854	7,064	33,316,006	6,403,564	10,266,907	423,776,203	407,105,732
1959	643	21,557	6,721	33,701,648	7,420,485	9,661,761	455,516,896	438,434,650

¹ Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 2. Principal Statistics of the Crude Petroleum and Natural Gas Industry, 1957-1961

Basis: Standard Industrial Classification revised, 1960

Year	Estab- lish- ments	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value added by processing ¹
		number				dollars		
1957	543 ²	18,885	7,821	36,302,114	5,970,451	10,691,980	465,324,929	448,662,498
1958	639 ²	19,854	7,064	33,316,006	6,403,564	10,266,907	423,776,203	407,105,732
1959	643 ²	21,557	6,721	33,701,648	7,420,485	9,661,761	455,516,896	438,434,650
1960								
New Brunswick	1	67	18	63,097	4,859	4,412	171,410	162,139
Quebec	5	1	8	45,223	1,192	101	—	— 1,293
Ontario	215	2,880	226	666,345	94,877	439,265	7,647,437	7,113,295
Manitoba	42	803	96	476,657	145,540	15,953	10,693,034	10,531,541
Saskatchewan	115	4,486	868	4,545,086	1,229,955	813,903	107,679,858	105,636,000
Alberta	215	12,713	3,882	20,482,096	4,573,587	8,623,151	334,640,527	321,443,789
British Columbia	35	421	255	1,591,299	197,960	774,020	9,212,899	8,240,919
Northwest Territories	2	73	11	68,340	93,301	115,316	653,438	444,821
Yukon	7	2	7	43,286	13,396	171,690	—	— 185,086
Totals	637	21,446	5,371	27,981,429	6,354,567	10,957,811	470,698,603	453,386,125
1961								
New Brunswick	1	66	12	40,666	5,460	—	160,011	154,551
Ontario	195	2,820	210	577,604	90,620	223,313	7,339,635	7,025,702
Manitoba	32	765	94	470,018	135,740	35,290	10,147,840	9,976,810
Saskatchewan	124	4,734	856	4,811,525	1,294,439	601,153	116,749,859	114,854,267
Alberta	195	13,062	2,666	15,630,596	4,327,502	6,978,016	423,220,549	411,915,031
British Columbia	33	559	297	1,926,387	265,439	437,257	11,167,840	10,465,144
Northwest Territories	1	70	22	191,087	40,925	68,295	781,680	672,460
Totals	581	22,076	4,157	23,647,883	6,160,125	8,343,324	569,567,414	555,063,965

¹ Gross value of shipments less cost of fuel, electricity and process supplies.

² Prior to 1960 the figures in this column show the number of firms.

TABLE 3. Production of Crude Petroleum, by Provinces, 1960 and 1961

Province	1960		1961	
	Barrels	Value	Barrels	Value
		\$		\$
New Brunswick	14,148	19,807	12,024	16,833
Ontario	1,005,030	3,150,065	1,149,087	3,546,740
Manitoba	4,764,045	10,690,384	4,480,348	10,156,000
Saskatchewan	51,908,428	103,957,099	55,860,104	115,719,791
Alberta	130,506,968	302,841,423	157,811,712	355,530,845
British Columbia	867,057	1,626,590	1,017,826	1,859,873
Northwest Territories	468,545	641,219	516,979	730,160
Totals	189,534,221	422,926,497	220,848,080	487,560,242

TABLE 4. Production of Crude Petroleum, 1952 - 61

Year	Barrels	Value	Year	Barrels	Value
		\$			\$
1952	61,237,322	143,038,212	1957	181,848,004	453,593,620
1953	80,898,897	200,582,276	1958	165,496,196	398,747,818
1954	96,080,345	243,877,030	1959	184,778,497	422,092,535
1955	129,440,247	305,640,036	1960	189,534,221	422,926,497
1956	171,981,413	406,561,872	1961	220,848,080	487,560,242

TABLE 5. Production of Crude Petroleum, by Provinces, 1952 - 61

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
1952	14,237	191,814	104,826	1,696,505	58,915,723	—	314,217	61,237,322
1953	14,738	299,685	653,514	2,797,888	76,816,383	—	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	—	369,887	96,080,345
1955	12,548	525,510	4,145,756	11,317,168	113,035,046	—	404,219	129,440,247
1956	16,628	593,370	5,786,540	21,077,371	143,909,641	148,454	449,409	171,981,413
1957	19,401	623,666	6,089,743	36,861,089	137,492,316	340,945	420,844	181,848,044
1958	15,189	778,341	5,829,226	44,626,148	113,277,847	512,359	457,086	165,596,196
1959	14,479	1,001,580	5,056,075	47,442,498	129,967,312	866,234	430,319	184,778,497
1960	14,148	1,005,030	4,764,045	51,908,428	130,506,968	867,057	468,545	189,534,221
1961	12,024	1,149,087	4,480,348	55,860,104	157,811,712	1,017,826	516,979	220,848,080

TABLE 6. Production of Crude Petroleum, by Months, 1961

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
				barrels of 35 Imperial gallons				
January	1,066	90,084	395,022	4,264,268	12,765,213	65,501	37,856	17,619,010
February	793	83,171	356,339	3,884,127	12,035,916	87,227	48,080	16,495,653
March	921	101,259	393,322	4,523,943	11,184,052	102,639	45,997	16,352,133
April	770	95,197	366,867	4,258,702	12,096,340	2,748	34,175	16,854,799
May	931	102,653	377,877	4,564,881	13,738,058	40,028	27,865	18,852,293
June	1,178	96,348	379,243	4,552,739	12,860,396	25,562	28,408	17,943,874
July	1,096	100,838	386,396	4,675,749	13,723,362	50,800	41,336	18,979,577
August	958	99,515	385,241	4,997,536	14,090,880	51,926	54,584	19,680,644
September	1,080	98,008	357,730	5,169,706	13,868,594	89,184	62,233	19,646,535
October	1,049	96,173	366,679	4,747,428	12,803,834	144,092	45,181	18,204,436
November	948	93,394	356,812	5,007,497	14,068,376	140,712	33,778	19,701,517
December	1,234	92,447	358,820	5,213,528	14,576,691	217,407	57,486	20,517,613
Totals	12,024	1,149,087	4,480,348	55,860,104	157,811,712	1,017,826	516,979	220,848,080

TABLE 7. Well Output of Crude Petroleum in Alberta, by Fields, 1959 -61

Field	1959	1960 ¹	1961 ¹	Field	1959	1960 ¹	1961 ¹
	barrels				barrels		
Acheson	2,056,804	1,752,445	2,255,059	Pembina	34,520,314	39,310,358	42,733,575
Bonnie Glen	5,951,008	5,064,747	6,343,722	Redwater	15,112,108	12,560,447	15,416,554
Erskine	1,260,449	1,262,579	1,272,820	Stettler	1,818,549	1,613,289	1,755,254
Fenn-Big Valley ...	6,199,976	5,466,087	6,111,136	Sturgeon Lake South	3,199,001	2,827,221	3,166,044
Gilby	512,809	1,453,785	1,456,869	Sundre	1,129,624	1,167,319	1,247,749
Golden Spike	1,758,758	1,516,973	2,852,353	Swan Hills	1,717,093	4,891,302	8,376,621
Harmattan-Elkton ..	1,845,919	1,414,660	2,184,331	Tuner Valley	1,352,518	1,207,584	1,147,974
Innisfail	2,259,940	2,256,634	2,524,727	Wainwright	982,489	749,111	604,518
Joarcam	3,410,524	3,394,695	3,322,581	West Drumheller.....	1,354,822	1,179,110	1,271,025
Joffre	6,326,789	6,184,434	5,666,283	Wizard Lake	2,719,898	2,301,274	3,469,534
Kaybob	1,203,855	1,976,214	2,409,558	Other areas	16,461,387	19,957,306	27,087,021
Keystone	2,214,595	—	—				
Leduc-Woodbend	14,598,083	13,357,643	15,136,404	Totals, Alberta	129,967,312	132,865,217	157,811,712

¹ Includes field condensate.**TABLE 8. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1960 and 1961**

Field	1960	1961	Field	1960	1961
	barrels			barrels	
Alameda	1,147,802	896,569	Nottingham	2,558,666	2,742,165
Alida	1,584,204	1,335,385	Queensdale	1,382,927	1,350,838
Carnduff	1,911,670	1,571,558	Steelman	8,460,855	8,450,279
Coleville-Smiley	2,269,178	2,010,618	Success	1,400,979	1,421,789
Dollard	4,034,094	4,029,599	Weyburn	10,687,067	11,741,155
Fosterton	1,951,053	1,986,983	Other areas	9,007,391	11,877,260
Instow	1,786,523	1,842,969			
Midale	3,726,019	4,602,937	Totals, Saskatchewan	51,908,428	55,860,104

TABLE 9. Production of Crude Petroleum in Manitoba, by Fields, 1960 and 1961

Field	1960	1961	Field	1960	1961
	barrels			barrels	
Daly	831,992	781,347	Routledge	392,056	422,519
Virden-Roselea	1,314,713	1,333,986	Tilston	27,952	24,742
North Virden Scallion	1,768,452	1,538,308	West Butler	7,224	8,020
Ebor	15,581	14,107	West Routledge	193,374	175,894
Kirkella	66,129	56,846	Whitewater	17,030	17,719
Lulu Lake	—	—	Woodnorth	42,139	30,688
Maples	37,989	30,325	Other areas	23,737	22,075
Pierson	25,677	23,772	Totals, Manitoba	4,764,045	4,480,348

TABLE 10. Production of Crude Petroleum in Ontario, by Fields, 1961

County	Field or pool	Township	Producing formation	1961 barrels
Elgin	Rodney	Aldborough	Columbus	348,810
	Wallacetown	Dunwich	Dundee	1,745
Essex	Colchester	Colchester South	Trenton	105,655
	Malden	Malden	Trenton	2,774
Kent	Bothwell—Thamesville	Zone, Camden, etc.	Dundee—Columbus	9,933
	Dover	Dover	Trenton	854
	Dresden	Camden, Chatham	Guelph	4,103
	Chatham	Chatham	Guelph	6,038
Lambton	Becher	Sombra	Salina	57,237
	Dawn	Dawn	Salina—Guelph	24,578
	Seckerton North	Moore	Guelph	58,958
	Corunna	Moore	Guelph	104,665
	Oil Springs	Enniskillen	Dundee—Detroit River	51,079
	Petrolia	Enniskillen	Dundee—Detroit River	26,605
	Wanstead	Brooke, Enniskillen	Guelph	42,142
	Warwick	Warwick	Guelph	71,937
	Colinville	Moore	Salina—Guelph	5,051
	Kimball	Moore	Salina	4,547
	Seckerton	Moore	Guelph	48,187
	Shetland	Euphemia	Dundee	3,254
	Telford	Moore	Guelph	1,610
Middlesex	Glencoe	Mosa	Dundee—Columbus	34,978
	Grand Bend	McGillivray	Guelph	68,484
Oxford	Gables	Blenheim	Eau Claire	64,897
Other	Various	Various	Various	966
Total, Ontario				1,149,087

TABLE 11. Petroleum Wells, by Provinces, 1959-61

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	number							
Productive wells at beginning of year:								
1959	19	1,524	791	3,772	9,464	105	65	15,740
1960	19	1,395	788	3,861	9,492	72	65	15,692
1961	19	1,538	777	4,164	10,334	122	65	17,019
Number of productive wells drilled:								
1959	—	55	25	467	1,211	61	—	1,819
1960	—	65	36	402	1,308	50	—	1,861
1961	—	54	9	502	849	91	—	1,505
Number of wells abandoned:								
1959	—	52	33	476	298	2	—	861
1960	—	35	35	97	280	—	—	447
1961	—	33	32	147	287	31	—	530
Number of dry wells drilled:								
1959	—	19	11	597	376	31	5	1,039
1960	—	33	13	112	290	63	7	521 ¹
1961	—	37	11	112	355	37	1	553
Number of productive wells in operation at end of year:								
1959	19	1,527	783	3,763	10,377	164	65	16,698
1960	19	1,425	789	4,166	10,520	122	65	17,106
1961	19	1,559	754	4,519	10,896	182	65	17,994

¹ Includes 1 dry well in Quebec and 2 dry wells in the Yukon.

TABLE 12. Imports of Petroleum, Asphalt and their Products, 1960 and 1961

Item	1960		1961	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum of asphalt, solid or not..... cwt.	554,246	691,969	633,681	887,667
Asphalt oil for paving gal.	1,315,494	138,831	1,224,261	128,361
Oil, imported by miners or mining companies, for the concentration of ores or metals "	245,105	355,945	246,393	396,028
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60°F bbl.	125,559,631	283,172,198	133,249,113	291,169,754
Petroleum tops: blends of petroleum tops or petroleum products with crude petroleum: all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° F, when imported by oil refiners to be refined	—	—	—	—
Fuel oil, ex-warehoused, for ships' stores gal.	471,882	36,877	604,232	49,584
Aviation gasoline "	60,979,190	10,295,822	36,511,360	6,334,064
Kerosene, lighter than .8236 specific gravity at 60° F, n.o.p. "	29,935,380	2,926,834	9,207,679	870,019
Engine distillate, .8017 specific gravity or heavier at 60° F "	19,620	3,220	678	158
Gasoline, lighter than .8236 specific gravity at 60° F "	31,036,182	4,494,053	25,773,714	3,929,003
Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° F, when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	—	—	—	—
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon gal.	20,836,171	4,579,353	11,636,791	2,564,885
Lubricating oils, 25 cents and over "	20,184,714	8,246,313	26,804,447	10,859,052
Oils, mineral, n.o.p. "	762,915	1,084,983	1,559,599	1,411,345
Stove oil, No. 1 fuel oil "	128,472,935	12,678,957	87,529,567	9,774,582
Light fuel oils, Nos. 2 and 3 "	244,354,195	21,703,222	257,689,232	23,411,345
Heavy fuel oils, Nos. 4, 5 and 6 "	470,375,390	24,149,468	366,547,887	18,898,219
Diesel fuel "	94,324,633	8,284,042	83,447,644	7,655,482
Tractor fuel "	—	—	—	—
Petroleum greases and lubricating greases, n.o.p. .. lb.	16,510,735	2,184,440	15,480,386	2,254,684
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes		816,957		879,309
Paraffin wax "	41,114,455	2,584,720	41,178,564	2,680,854
Paraffin wax candles "	596,009	179,772	507,794	164,765
Products of petroleum, n.o.p. gal.	32,348,966	5,501,546	35,712,905	6,502,869
Liquefied petroleum gases "	5,293,419	1,067,915	3,431,536	813,382
Naphtha, including solvent naphtha "	11,671,910	2,118,531	8,474,602	1,968,655

TABLE 13. Exports of Petroleum and its Products, 1960 and 1961

Item	1960		1961		
	Quantity	Value	Quantity	Value	
		\$		\$	
Petroleum, crude	bbl.	42,234,937	94,450,014	65,222,523	154,266,752
Oil, coal and kerosene, refined	gal.	607,390	65,869	..	..
Gasoline and naphtha	"	47,613,156	5,959,053	..	..
Fuel oil	"	25,369,055	2,126,802	..	..
Lubricating oil	"	212,993	80,282	..	..
Oil, mineral, n.o.p.	"	97,793	16,891	..	..
Wax, mineral	cwt.	5,547	55,390	..	..
Gasoline	gal.	..	..	19,955,043	2,442,967
Fuel oil no's 1, 2 and 3 .....	..	..	..	7,168,929	923,950
Fuel oil no's 4, 5 and 6 .....	"	..	..	25,565,845	1,790,136
Fuel oil n.e.s. ....	"	..	..	3,802,816	457,324
Lubricating oils and greases .....	..	..	..	70,057	78,689
Petroleum and coal products n.e.s. ....	..	..	..	..	1,606,952

TABLE 14. Canadian Crude Petroleum Supply, 1947-61

Year	Canadian production	Imports	Exports ¹	Apparent supply
barrels of 35 Imperial gallons				
1947	7,692,492	69,076,848	—	76,769,340
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,948	172,619,067
1955	129,440,247	86,792,460	14,833,971	201,398,736
1956	171,981,413	106,641,358	42,908,086	235,714,685
1957	181,848,004	111,905,473	55,674,229	238,079,248
1958	165,496,196	104,038,800	31,679,333	237,855,663
1959	184,778,497	115,288,643	33,362,234	266,704,906
1960	189,534,221	125,559,631	42,234,937	272,858,915
1961	220,848,080	133,249,113	65,222,523	288,874,670

¹ Exports were comparatively small prior to 1951 and may be neglected.

TABLE 15. Receipts of Crude Petroleum by Canadian Refineries, 1957-61

Year	Maritimes and Quebec	Ontario	Manitoba, Saskatchewan and Alberta	British Columbia and Northwest Territories	Canada
barrels					
1957					
Canadian	—	49,996,130	54,411,057	22,507,050	126,914,237
Imported	103,647,166	8,059,505	—	—	111,706,671
Totals	103,647,166	58,055,635	54,411,057	22,507,050	238,620,908
1958					
Canadian	—	60,329,816	52,899,634	21,284,548	134,513,998
Imported	103,383,037	4,061,704	—	—	107,444,741
Totals	103,383,037	64,391,520	52,899,634	21,284,548	241,958,739
1959					
Canadian	—	72,429,969	55,778,496	23,299,309	151,507,774
Imported	113,957,240	2,385,030	—	—	116,342,270
Totals	113,957,240	74,814,999	55,778,496	23,299,309	267,850,044
1960					
Canadian	—	72,100,463	53,101,900	24,057,382	149,259,745
Imported	123,173,075	3,651,133	—	—	126,824,208
Totals	123,173,075	75,751,596	53,101,900	24,057,382	276,083,953
1961					
Canadian	11,072	81,040,949	55,991,008	25,558,096	162,601,125
Imported	129,533,887	2,935,218	—	—	132,469,105
Totals	129,544,959	83,976,167	55,991,008	25,558,096	295,070,230

TABLE 16. World Crude Oil Production,¹ 1959-61

	1959	1960	1961
	thousands of barrels		
North America:			
Canada	184,778	191,842	220,861
Cuba ²	192	108 ³	134
Mexico	96,393	99,049	106,773
Trinidad	40,919	42,357	45,768
United States	2,574,590	2,574,933	2,621,758
Totals	2,896,872	2,908,289	2,995,294
South America:			
Argentina	44,710	64,232	84,631
Bolivia	3,170	3,574	3,090
Brazil	23,590	29,613	34,817
Chile	6,428	7,231	9,263
Columbia	53,576	55,666	53,383
Ecuador	2,759	2,730	3,027
Peru	17,733	19,255	19,374
Venezuela	1,011,452	1,041,708	1,065,757
Totals	1,163,418	1,224,009	1,273,342
Europe:			
Albania	3,504	3,650	4,337
Austria	16,946	16,874	15,992
Bulgaria	1,402	1,460	1,504
Czechoslovakia	803	730	1,045
France	11,594	14,229	15,673
Germany, West	36,981	40,076	44,052
Hungary	7,665	8,760	11,123
Italy (including Sicily)	11,551	13,545	13,423
Netherlands	12,367	13,378	14,024
Poland	1,277	1,460	1,501
Rumania	83,492	87,600	85,775
U.S.S.R. ⁴	945,340	1,080,400	1,204,500
United Kingdom	621	649	810
Yugoslavia	4,188	6,671	9,474
Totals	1,137,731	1,289,482	1,423,233
Africa:			
Algeria	10,625 ⁵	67,408 ⁵	121,748
Angola	361	477	754
Congo, Republic of	—	365	770
Gabon Republic	5,295	5,626	5,670
Libya	—	—	6,642
Morocco, Southern Zone	712	695	603
Nigeria	4,067	6,552	16,802
Senegal	—	—	17
United Arab Republic (Egypt Region)	21,303	23,968	26,729
Totals	42,363	105,091	179,135
Asia:			
Bahrain	16,473	16,500	16,444
Burma	3,967	4,078	4,199
China ³	15,330	26,280	17,630
India	3,377	3,370	3,331
Indonesia	139,038	152,988	⁶
Iran	344,800	390,754	430,856
Iraq	311,193	353,833	365,360
Israel	925	930	978
Japan	2,852	3,678	4,560
Kuwait	504,855	594,278	600,226
Kuwait - Neutral Zone	42,438	49,829	64,405
Pakistan	2,333	2,636	2,822
Qatar	61,431	63,088	64,675
Sarawak and Brunei	40,072	34,005	⁶
Saudi Arabia	399,821	456,453	508,269
Taiwan (Formosa)	13	14	17
Thailand	—	—	18
Turkey	2,700	2,624	3,083
Totals⁴	1,891,618	2,153,338	2,086,873

See footnotes at end of table.

TABLE 16. World Crude Oil Production,¹ 1959 - 61 — Concluded

	1959	1960	1961
	thousands of barrels		
Oceania:			
Brunei-Sarawack	—	—	30,551
Indonesia	—	—	155,182
New Zealand	5	5 ³	4
Philippines	—	—	5
West New Guinea	1,656	1,538	1,086
Totals	1,661	1,543	186,828
World totals	7,133,663	7,683,752	8,144,705

¹ This table incorporates some revisions.² Natural naphtha and gas oil.³ Estimate.⁴ U.S.S.R. in Asia (including Sakhalin) included with U.S.S.R. in Europe.⁵ Including Sahara.⁶ Under Oceania.

TABLE 17. Production of Natural Gas, 1952 - 61

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1952	88,686,465	9,517,638	1957	220,006,682	20,962,501
1953	100,985,923	10,877,017	1958	337,803,726	32,057,536
1954	120,735,214	12,482,109	1959	417,334,527	39,609,393
1955	150,772,312	15,098,508	1960	522,972,327	52,196,882
1956	169,152,586	16,849,556	1961	655,737,644	68,421,918

TABLE 18. Production of Natural Gas, by Provinces, 1952 - 61

Year	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	M cubic feet						
1952	202,042	8,302,190	1,007,491	79,149,895	—	24,847	88,686,465
1953	177,112	9,708,969	1,422,128	89,651,605	—	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	—	29,085	120,735,214
1955	186,549	10,852,857	6,706,743	133,007,493	—	18,670	150,772,312
1956	190,322	12,811,618	9,807,697	146,133,893	187,846	21,210	169,152,586
1957	176,417	14,400,913	13,994,347	183,140,820	8,274,942	19,243	220,006,682
1958	123,957	16,147,986	18,819,795	239,049,591	63,638,297	24,100	337,803,726
1959	117,502	16,839,236	33,612,966	297,568,926	69,128,708	67,189	417,334,527
1960	98,701	16,987,056	36,571,633	383,682,986	85,592,166	39,785	522,972,327
1961	96,318	14,544,165	37,192,595	500,843,900	103,018,988	41,678	655,737,644

TABLE 19. Production¹ of Natural Gas, by Provinces, 1960 and 1961

Province	1960		1961	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	98,701	151,603	96,318	143,215
Ontario	16,987,056	6,573,990	14,544,165	5,614,048
Saskatchewan	36,571,633	3,722,992	37,192,595	4,050,274
Alberta	383,682,986	34,148,675	500,843,900	48,882,365
British Columbia	85,592,166	7,587,403	103,018,988	9,714,690
Northwest Territories	39,785	12,219	41,678	17,326
Totals	522,972,327	52,196,882	655,737,644	68,421,918

¹ Sold and used by producers.

TABLE 20. Production¹ of Natural Gas, by Months and by Provinces, 1961

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada ²
	M cu. ft.					
January	13,736	2,397,116	3,588,506	47,072,465	8,533,221	61,608,928
February	11,980	1,580,802	2,877,900	43,090,092	8,354,595	55,918,811
March	8,537	1,607,000	3,334,605	44,640,205	9,580,328	59,174,030
April	8,267	1,067,000	3,267,750	40,146,033	9,024,740	53,517,011
May	8,598	775,548	2,845,557	37,320,243	8,666,983	49,619,491
June	7,358	644,033	2,280,248	33,377,209	7,700,914	44,012,421
July	6,912	495,109	2,260,892	32,732,673	7,661,719	43,160,296
August	6,627	542,824	2,664,725	34,500,138	7,900,774	45,616,930
September	6,843	596,053	2,883,117	36,161,121	8,131,763	47,781,138
October	6,766	1,070,210	3,334,325	42,152,416	8,362,158	54,927,952
November	4,907	1,598,520	3,709,293	48,036,330	8,967,299	62,320,289
December	5,787	2,169,950	4,145,677	61,614,975	10,134,494	78,080,347
Totals	96,318	14,544,165	37,192,595	500,843,900	103,018,988	655,737,644

¹ Sales and consumption by producers.² Includes 41,678 M cu. ft. in the Northwest Territories.

TABLE 21. Production of Natural Gas in Ontario, by Fields, 1961

County	Field	Producing formation	1961
			M cu. ft.
Brant	Tuscarora	Thorold	406,085
Elgin	Cowal	Salina Guelph	—
	Richmond Eden and Vienna	Clinton Whirlpool	35,145
	Townline and Woodgreen	Salina	754
Essex	Staples	Guelph	8,188
	Kingsville	Guelph	18,072
	Leamington	Guelph	1,649
Halton	Acton	Gull River	39,663
Haldimand	Haldimand	Clinton, Grimsby Whirlpool	859,086
Lincoln			
Wentworth			
Kent	Guilds	Salina	54,474
	Dresden	Guelph	68,137
	Camden Gore	Salina	17,937
	Chatham	Salina Guelph	134,804
	Declute	Salina Guelph	644,030
	Dover	Trenton	52,551
	Wolfe	Salina	5,444
	Morpeth	Salina	320,221
	Tilbury	Salina Guelph	1,960,698
	Zone	Salina Guelph	172,173
	Lake St. Clair	Guelph	9,464
Lambton	East Becher	Guelph	35,302
	West Becher	Salina Guelph	447,622
	Bickford	Salina Guelph	2,179,241
	Colinville-Kimball	Salina Guelph	1,133,822
	Corunna	Salina Guelph	321,608
	Dawn, miscellaneous	Salina Guelph	43,966
	Dawn 156	Salina Guelph	1,753,656
	Mandaumin	Guelph	203,093
	Seckerton	Salina Guelph	1,205,682
	Sombra	Guelph	84,508
	Waubuno	Salina Guelph	341,871
Middlesex and Elgin	Wardsville	Salina Guelph	191,515
Norfolk	Norfolk	Clinton, Grimsby	1,037,573
Oxford	Norwich South and Gobles..	Irondequoit and Eau Claire	260,416
Welland	Welland	Grimsby Whirlpool and Irondequoit	305,076
Huron	Bayfield, Dashwood and Zurich	Guelph	190,639
Total, Ontario			14,544,165

TABLE 22. Number of Gas Wells, by Provinces, 1959-61

	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada
	number					
Productive wells at beginning of year .. 1959	47	3,011	19	383	16	3,476
1960	47	3,006	235	1,541	158	4,987
1961	47	2,866	116	1,751	230	5,010
Number of productive wells drilled 1959	—	91	—	32	5	128
1960	—	76	10	220	35	341
1961	—	41	9	256	57	364 ¹
Number of dry wells drilled 1959	2	43	—	9	4	58
1960	1	40	6	83	14	144
1961	—	25	4	47	20	97 ¹
Number of wells abandoned 1959	—	93	—	2	—	95
1960	—	175	30	38	4	247
1961	—	79	—	45	3	127
Productive wells at end of year 1959	47	3,009	19	413	21	3,509
1960	47	2,907	215	1,723	189	5,081
1961	47	2,828	125	1,962	284	5,247 ¹

¹ Includes 1 well in the Northwest Territories.

TABLE 23. Natural Gas Pipe Line Mileage of the Gas Utilities and the Gas Pipe Line Transport Industries¹, by Province, as at December 31, 1956-61

	1956 ^{2,3}	1957	1958 ²	1959 ²	1960 ⁴	1961 ⁴
	miles					
Gathering:						
New Brunswick	10	10.6	10.6	10.6	6.5	6.4
Quebec	—	—	—	—	—	—
Ontario	851	941.2	940.4	955.4	909.5	1,313.9
Manitoba	—	—	—	—	—	—
Saskatchewan	99	91.8	269.2	278.2	286.3	274.5
Alberta	948	972.0	1,675.9	1,857.6	2,067.6	2,852.3
British Columbia	6	120.5	212.5	337.5	410.4	429.4
Totals	1,914	2,136.1	3,108.6	3,439.3	3,680.3	4,876.5
Transmission:						
New Brunswick	11	11.4	11.4	11.4	13.4	13.4
Quebec	—	26.5	26.5	25.0	25.0	25.0
Ontario	1,284	2,519.6	3,466.1	3,528.6	3,565.9	3,135.0
Manitoba	—	354.0	375.0	391.3	444.0	456.9
Saskatchewan	635	1,093.2	1,395.2	1,782.9	2,102.5	2,274.3
Alberta	1,797	2,127.3	2,581.2	3,094.5	3,452.5	4,087.5
British Columbia	37	1,101.6	1,101.7	1,103.5	1,112.3	1,224.7
Totals	3,764	7,233.6	8,957.1	9,937.2	10,715.6	11,216.8
Distribution:						
New Brunswick	65	65.4	65.4	65.4	32.1	32.3
Quebec	—	962.5	971.1	1,027.4	1,115.1	1,123.6
Ontario	4,667	5,769.9	8,094.9	9,144.3	9,528.8	10,183.9
Manitoba	146	433.0	509.8	690.3	833.8	853.6
Saskatchewan	339	879.3	946.7	1,060.0	1,205.3	1,272.8
Alberta	1,879	2,075.0	2,201.9	2,455.0	2,675.6	2,895.7
British Columbia	925	1,902.1	2,379.9	2,709.3	3,028.3	3,182.8
Totals	8,021	12,087.2	15,169.7	17,151.7	18,419.0	19,544.7
Grand totals	13,699	21,456.9	27,235.4	30,528.2	32,814.9	35,638.0

¹ Includes pipe line mileage of producing companies.

² Source: Department of Mines and Technical Surveys questionnaire returns and estimates.

³ Does not include 210 miles of Trans-Canada pipe line laid in 1956.

⁴ Breakdown of pipeline mileage is not precisely comparable with previous years because of reclassification and surveys.

Source: Gas Utilities—Catalogue No. 57-205.

TABLE 24. Sales¹ of Manufactured and Natural Gas, 1960 and 1961

	1960			1961		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas: ²						
Domestic (including house heating)...	12,096	636,640	726,759	..	..	..
Industrial	71	920,313	250,763	..	..	..
Commercial	837	187,094	217,114	..	..	..
Miscellaneous .....	—	—	—	..	..	..
Totals	13,004	1,744,047	1,194,636	7,258	1,979,777	1,181,508
Natural gas: ³						
Domestic	1,099,448	110,132,901	106,952,695	1,176,142	122,207,511	121,583,218
Industrial	7,403	164,233,744	52,851,409	8,179	200,337,157	65,537,393
Commercial	96,135	51,121,809	34,656,491	100,657	57,778,309	40,140,430
Miscellaneous	133	120,957	46,743	—	—	—
Totals	1,203,119	325,609,411	194,537,338	1,284,978	380,322,977	227,261,041
Totals, all gas	1,216,123	327,353,458	195,731,974	1,292,236	382,302,754	228,442,549

¹ Sales by distributing companies to final consumers; amounts used by producers are not included.² At 14.73 pounds per square inch absolute 60° F. and 500 B.T.U.³ At 14.73 per square inch absolute 60° F. and 1000 B.T.U.TABLE 25. Sales¹ of Natural Gas, by Areas, 1961

	Domestic (including house heating)	Industrial	Commercial	Miscellaneous
	M cu. ft.			
New Brunswick	78,088	—	10,271	—
Quebec	5,600,633	16,904,769	1,704,957	—
Ontario	47,960,220	61,541,428	15,685,821	—
Manitoba	6,331,904	6,667,756	3,489,142	—
Saskatchewan	11,671,640	18,269,531	5,496,841	—
Alberta	39,001,044	82,885,484	27,398,918	—
British Columbia	11,563,982	14,068,189	3,992,359	—
Totals	122,207,511	200,337,157	57,778,309	—

¹ Data is subject to revision.

TABLE 26. Employees and their Earnings in the Crude Petroleum and Natural Gas Industry, 1960 and 1961

	Employees					Earnings		
	Office and administration		Workmen		Total	Office and adminis- tration	Workmen	Total
	Male	Female	Male	Female				
1960	number					dollars		
New Brunswick	—	—	18	—	18	—	63,097	63,097
Quebec	2	—	6	—	8	21,600	23,623	45,223
Ontario	38	16	171	1	226	206,873	459,472	666,345
Manitoba	16	3	77	—	96	110,483	366,174	476,657
Saskatchewan.....	249	46	569	4	868	1,867,205	2,677,881	4,545,086
Alberta	777	164	2,857	84	3,882	5,725,542	14,756,554	20,482,096
British Columbia	151	25	79	—	255	1,132,748	458,551	1,591,299
Northwest Territories	7	—	4	—	11	43,795	24,545	68,340
Yukon	2	—	5	—	7	5,610	37,676	43,286
Totals	1,242	254	3,786	89	5,371	9,113,856	18,867,573	27,981,429
1961								
New Brunswick	—	—	12	—	12	—	40,666	40,666
Ontario	17	14	179	—	210	88,642	488,962	577,604
Manitoba	18	2	74	—	94	112,673	357,345	470,018
Saskatchewan.....	277	50	526	3	856	2,109,948	2,701,577	4,811,525
Alberta	457	102	2,096	11	2,666	3,856,694	11,773,902	15,630,596
British Columbia	116	7	174	—	297	838,092	1,088,295	1,926,387
Northwest Territories.....	1	—	21	—	22	11,081	180,006	191,087
Totals	886	175	3,082	14	4,157	7,017,130	16,630,753	23,647,883

TABLE 27. Employees and their Earnings in the Crude Petroleum and Natural Gas Industry, 1957-61

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number						dollars		
1957	1,599	340	5,764	118	7,821	18,726,650	9,910,576	26,391,538	36,302,114
1958	1,570	314	5,082	98	7,064	16,622,903	10,345,287	22,970,719	33,316,006
1959	1,329	310	4,989	93	6,721	14,470,594	9,926,584	23,775,064	33,701,648
1960	1,242	254	3,786	89	5,371	11,183,693	9,113,856	18,867,573	27,981,429
1961	886	175	3,082	14	4,157	9,008,189	7,017,130	16,630,753	23,647,883

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 28. Workmen, by Months, in the Crude Petroleum and Natural Gas Industry, 1960 and 1961
(Number on pay-roll on the last work-day of each month)

Month	1960			1961		
	Male	Female	Total	Male	Female	Total
January	3,518	83	3,601	3,176	10	3,186
February	3,504	86	3,590	3,183	11	3,194
March	3,492	82	3,574	3,154	12	3,166
April	3,505	84	3,589	3,045	13	3,058
May	3,927	78	4,005	3,062	13	3,075
June	4,050	94	4,144	3,080	14	3,094
July	3,999	92	4,091	3,088	14	3,102
August	4,020	102	4,122	3,046	13	3,059
September	3,981	90	4,071	2,975	14	2,989
October	3,873	88	3,961	2,927	13	2,940
November	3,722	85	3,807	2,962	13	2,975
December	3,468	86	3,554	3,011	14	3,025
Averages	3,786	89	3,875	3,082	14	3,096
<i>Total man-hours worked</i>			<i>8,136,913</i>			<i>6,710,512</i>

TABLE 29. Fuel and Electricity Used in the Crude Petroleum and Natural Gas Industry, 1961

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines	1	25
(b) Imported	—	—
Sub-bituminous coal (from Alberta mines only).....	—	—
Anthracite coal	7	269
Lignite coal	1	9
Coke (for fuel only)	1	28
Gasoline, (includes gasoline used in cars and trucks)	5,962,733	2,378,205
Kerosene or coal oil	2,528	711
Fuel oil	1,206,198	252,324
Wood (cords of 128 cubic feet of piled wood)	—	—
Gas (a) Liquefied petroleum gases (propane, etc.)	473,850	80,123
(b) Other manufactured gas	—	—
(c) Natural gas	1,207,132	129,423
Other fuel .....	...	—
Electricity purchased for power and lighting	123,368,150	3,319,008
Electricity purchased for other purposes	—	—
Totals .....	...	6,160,125
Electricity generated (a) For own use	1,317,436	..
(b) For sale	—	—

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1961

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Box 194, Moncton	Stoney Creek
Ontario:		
A. & C. Gas Syndicate	Ridgeway	Bertie
Able Land & Minerals Ltd.	67 Yonge St., Toronto	Aldborough
Albino Gas Ltd.	100 Adelaide St. W., Toronto	Welland
Albot Gas & Oil Ltd.	10 Adelaide St. E., Toronto	Aldborough
Allegany Producing Corporation	313 North Main St., Wellsville, New York, U.S.A.	Glencoe
Anchor Petroleum Ltd.	67 Richmond St. W., Toronto	Mosa
Annett, S.C.	Bothwell	Euphemia
Anthony Gas & Oil Explorations Ltd.	Acton	Speyside and Hornby
Arno Mines Ltd.	62 Richmond St. W., Toronto	Dunn
Atkinson, J.	Petrolia	Petrolia
Ayrheart, E.J.	Oil Springs	Oil Springs
Bates, N.	Port Colborne	Port Colborne
Beacon, M. M.T. & Greenacres, Syndicate	102E. Campus Drive, Snyder, N.Y., U.S.A.	Humberstone and Bertie
Beaver Gas (J.A. Ruegg)	Ridgeway	Bertie
Benner, K.W.	Fisherville	Rainham and Walpole
Bertie Oil & Gas Ltd.	100 Adelaide St. W., Toronto	Bertie
Bertie Township Gas & Oil Syndicate	Fisherville	Bertie and Willoughby
Big Seven Gas Syndicate	Fisherville	Rainham
Bluewater Oil & Gas Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Various
Bolivar Gas Company	300 Main St., Bolivar, New York, U.S.A.	Walsingham North and South
Booth, Anna	R.R. 2, Niagara Falls	Willoughby and Bertie
Bova Gas & Development Co. Ltd.	1718 Statler-Hilton Hotel, Buffalo, New York, U.S.A.	Charlotteville and Windham
Bradley, M.	Petrolia	Petrolia
Brennan, R.J.	101 Main St., Bradford, Penn., U.S.A.	Petrolia
Buck, C.S. Estate	London	Port Rowan
Byers Bros.	Oil Springs	Enniskillen
Byers, Irving	Oil Springs	Enniskillen
Camerina Petroleum Corporation	2 Wall St., New York 5, New York, U.S.A.	D'Clute
Canada-Cities Service Petroleum Corporation	801 South West St., Olney, Illinois, U.S.A.	Rodney
Cango Development Ltd.	132 Camden Ave., Buffalo 16, New York, U.S.A.	Chatham
Can-York Prospecting Syndicate	Fort Erie	Bertie
Caughell Bros.	Dunnville	Dunnville
Colborne Natural Gas Syndicate	Stevensville	Bertie
Cole, W.J.	Petrolia	Petrolia
Colonial Petroleum Ltd.	Chatham	Dawn
Comfort, N.	102 Inshes Ave., Chatham	Tunks and Duphette
Consolidated West Petroleum Ltd.	120 Eglinton Ave. E., Toronto 12	Tilbury and Malden
Copeland, Russell	Petrolia	Petrolia
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Ltd.	Box 160, Fort Erie	Welland
D. & M. Syndicate	Fort Erie	Bertie
Daubaris, F.	Dunnville	Dunn
Dawson, R.	Merlin	Tilbury East
Deanna Lee Gas Syndicate	Iroquois	Bertie
Dell-Burn Gas Ltd.	Fort Erie	Welland
De Mers, Victor E.	Petrolia	Oil Springs and Petrolia
Dickout Bros.	Lowbanks	Moulton
Donald, A. & K.	Oil Springs	Oil Springs
Donald, R.	Petrolia	Petrolia
Donalga Company	Hope River, Prince Edward Island	Langton
Edmund Gas Syndicate	Port Colborne	Humberstone
Edward, F.H.	Petrolia	Petrolia
Ehde, Arthur L.	Lowbanks	Moulton
Elgin Petroleum Corp. Ltd.	Rodney	Rodney
Emerson, H.L.	Dunnville	Moulton, and Canboro
Fairbank, J.H. Estate	Petrolia	Oil Springs
Felmont Oil Corporation	Box 1188, Owensboro, Kentucky, U.S.A.	Rodney
Fendrich, L. & G. Mozer	Tillsonburg	Charlotteville
Fisherville Gas Syndicate	Fisherville	Rainham
Fleet Manufacturing Ltd.	Fort Erie	Bertie
Fletcher, Eva	Glanford Station	Binbrook
Flood Oils Ltd.	870 Lakeshore Rd., Sarnia	Oil Springs
Foreign Exploration Corp. Ltd.	121 Richmond St. W., Toronto	Long Point Bay
Fox, Edward S.	Welland	Thorold
Freer, John	Kerrwood	Metcalfe
George, A.	Fort Erie	Bertie
Glenerd Ltd.	Dunnville	Norfolk
Grand River Gas Ltd.	Canfield	Cayuga North
Grimsby Natural Gas Co. Ltd.	Grimsby	Caistor and Gainsboro
Gurnell, N. & M.	Stevensville	Humberstone
Haldimand Gas & Oil Wells Ltd.	Cayuga	Various
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Hallborg, L.	Port Colborne	Humberstone
Heise & Marton Gas Syndicate	114 Church St., Welland	Welland
Hercules Gas Syndicate	368 Ridge St., Ridgeway	Moulton
Highbank Oil Limited	62 King St. W., Chatham	Raleigh
Holmes, E.B.	Bothwell	Bothwell
House, C.C. Estate	Stevensville	Bertie
Imperial Oil Ltd.	Box 4029 Terminal A, Toronto	Various
J. & J. Gas Co.	211 George St., Dunnville	Dunn
J.V.T. Natural Gas Syndicate	102 East Campus Drive, Snyder, New York, U.S.A.	Willoughby
Jackson, P.L.	211 George St., Dunnville	Various
Jarvis Hereford Farms	Jarvis	Walpole
Jewell & Morningstar	Oil Springs	Enniskillen
Kells, Ernest E.	Petrolia	Enniskillen
Keradec Petroleum Ltd.	80 King St. W., Toronto 1	Chatham and Camden Gore
Kerr, J. & J. Co. Ltd.	Petrolia	Enniskillen
Kinsey, O. & L. Estate	Dunnville	Haldimand
Kodyen, E.A.	Bothwell	Bothwell
Lapp Estate	Niagara Falls	Bertie
Lapp & Arendt	Stevensville	Stevensville
Lejeune, Louis F.	Fort Erie	Bertie

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1961 — Continued

Name	Address	Location of field
Ontario—Continued:		
Lewis, Clifton B.	Petrolia	Petrolia
Lewis, W.G.	Oil Springs	Enniskillen
Linda Lee Syndicate	Ridgeway	Bertie, Willoughby and Crowland
Long Point Gas & Oil Ltd.	357 Bay St., Toronto	Norfolk and Haldimand
Lowbanks Gas Co. Ltd.	Dunnville	Haldimand
M. & E. Enterprises	Welland	Welland
MacAnn Wall Prospecting Syndicate	1450 Broadway, Buffalo, N.Y., U.S.A.	Bertie
MacIntyre & Hawkins	26 Wintemute, Fort Erie	Humberstone
Maguire, J.	Clifford	Walpole and Woodhouse
Marcus, Louis A.	Wallacetown	Dunwich
McGaffey, Braun & Braun	Box 55, Bothwell	Euphemia
McKechnie, Sam Estate	Dunnville	Walpole
McMaster, R. & Sons Co. Ltd.	Caledonia	Gobels
McPherson, Ross Lionel Drilling Ltd.	88 Thompson Blvd., Riverside	Harwich
Medina Gas Syndicate	Welland	Crowland
Meyers, Paul	397 Niagara Blvd., Fort Erie	Willoughby
Mill 18 Mines Ltd.	62 Richmond St. W., Toronto 1	Haldimand
Minor & Luck	Dundas	Sherbrooke
Mitchell, Charles	Oil Springs	Oil Springs
Mitchell, Gerald	Oil Springs	Enniskillen
Monarch Gas & Oil Syndicate	Fisherville	Walpole
Monte Natural Gas Syndicate	102 East Campus Drive, Snyder 26, New York, U.S.A.	Welland
Morningstar, George	Oil Springs	Enniskillen
Morningstar, H.M.	Oil Springs	Oil Springs
Morningstar, R.	Ridgeway	Ridgeway
Morrison, Doris E.	Langton	Walsingham North
Mulgrave Gas Syndicate	Stevensville	Bertie
Murdoch, Watson W.	R.R. 9 Dunnville	Dunn
N.Y.K. Oil (Canada) Ltd.	Samia	Euphemia
Nagel, Elmer	Stevensville	Bertie
Neff, R.	Sherkston	Humberstone
Nemec & Hines	505 Lacroix St., Chatham	Kerrwood
Newport Gas Syndicate	Fort Erie	Wainfleet
Niagara Gas Syndicate	Fisherville	Bertie
Niece, Elmond	Dunnville	Sherbrooke
Niece, Bros.	Lowbanks	Sherbrooke
Nigh, C.	Stevensville	Willoughby
Norgas Development Ltd.	Simcoe	Charlottetown
North Shore Gas Co.	Fisherville	Rainham
Noyes, L.A., Estate	Stevensville	Willoughby
Nycan Gas Co.	100 Webster St. N., Tonawanda N.Y., U.S.A.	Middleton
Ort, C.H.	Chippawa	Chippawa
Pal Oil & Gas Co. Ltd.	St. Thomas	Aldborough
Palco, John & Marr, Earl	Wainfleet	Wainfleet
Peacock Point Gas & Oil Syndicate	Fisherville	Walpole
Pegg Enterprises Ltd.	Morpeth	Morpeth
Pegg Enterprises Ltd. for Bradford Oil & Gas Co.	Morpeth	Morpeth
Petrole Oil & Gas Co. Ltd.	132-9th Ave. S.W., Calgary, Alberta	Oneida and Tuscarora
Place Gas & Oil Co. Ltd.	80 Richmond St. W., Toronto 1	Various
Pleasant Beach Gas Syndicate	Sherkston	Willoughby
Pope, W.	Bothwell	Camden and Zone
Prairie Gas & Oil Co. Limited	170 Bay St., Toronto 1	Dover
Provincial Gas Company Limited	Fort Erie	Various
Putman and Putman	Kingsville	Gosfield South and Colchester South
R.V.R. Gas Syndicate	Ridgeway	Bertie
Rae, Robert	1678 Kister Rd., Niagara Falls	Humberston
Reid, E.	Petrolia	Petrolia
Richmont Developments Ltd.	268 Ridge St., Ridgeway	Bertie and Humberstone
Riddell-Hanna Explorations Ltd.	139 Eason Ave., Highland Park 3, Mich., U.S.A.	Chatham
Riddel & Meyers Syndicate	Fort Erie	Bertie
Roberts, Carl	Box 312, Coudersport, Penn., U.S.A.	Norfolk
Robinson Road Gas Syndicate	Dunnville	Moulton
Roth, Roth & Riggin Ltd.	Petrolia	Rodney
Roth & Roth Ltd.	Petrolia	Brooke and Enniskillen
Roth, Frank Estate	Ridgeway	Bertie & Humberstone
Round, Josephine	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruch, K.C.	Stevensville	Bertie
Ruegg Gas	Ridgeway	Ridgeway
Ruiter, T.	Port Colborne	Humberstone
Sarnoil Ltd.	357 Bay St., Toronto	Enniskillen
Shain, Viola May	Petrolia	Enniskillen
Shamblaw, W.M.	Kerrwood	Metcalfe
Sherk, Bert Estate	Stevensville	Bertie
Sherkston Gas Syndicate	Sherkston	Humberstone and Bertie
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Bertie and Humberstone
Simon, B.	367 Ellicott St., Buffalo, N.Y., U.S.A.	Chippawa
Sodom, L. & A. Syndicate	Ridgeway	Willoughby
Standard Gas & Oil Syndicate	Fisherville	Rainham and Walpole
Steele, K.	Port Colborne	Humberstone
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
Stewart, Elgin	Jarvis	Woodhouse
Sunnyside Gas Syndicate	Welland Junction	Humberstone
T.H. & G. Syndicate	Ridgeway	Bertie
Thompson, Arnold	Petrolia	Enniskillen
Tri-County Gas & Oil Co. Ltd.	601 Huron & Erie Bldg., London	Norwich South
Triform Explorations Ltd.	100 Adelaide St. W., Toronto 1	Haldimand and Welland
Trio Gas Company	Dunnville	Canboro
Tunks, James	Bothwell	Zone
Twin City Gas Syndicate	Fort Erie	Willoughby
Union Gas Company of Canada Limited	Chatham	Various
Valencourt, A. Estate	Welland	Thorold
Valencourt, L.	Welland	Thorold
Wainfleet Oil & Gas Ltd.	100 Adelaide St. W., Toronto	Wainfleet and Willoughby

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1961 — Continued

Name	Address	Location of field
Ontario—Concluded:		
Wale, H.	Stevensville	Humberstone
Warwick, Jack	Bothwell	Zone
Watson, Warwick & Huron Petroleum Ltd.	Chatham	Howard
Webbwood Exploration Company Limited	974 Wilson Ave., Downsview	Tilbury West
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Dunnville	Humberstone
Wellandport Gas Co. Ltd.	Dunnville	Gainsborough
Westwood and Gemmell	Dresden	Thamesville
Whorton Associates	Box 587 Wellsville, N.Y., U.S.A.	Norfolk
Wilkinson, Gas Syndicate	Fort Erie	Thorold
York Producing Company Ltd.	Bolivar, New York, U.S.A.	Chatham
Yuez Gas Company	732 Brisbane Bldg., Buffalo, U.S.A.	Charlottetown
Zenmac Metal Mines Ltd.	80 Richmond St. W., Toronto 1	Morpeth
Manitoba:		
Basco Petroleum Ltd.	706-7th Ave. S.W., Calgary, Alberta	Daly
British American Oil Company Limited	800 Bay St., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Various
Calrock Oil & Gas Ltd.	1714-24th St. S.W., Calgary, Alberta	Roselea
Canadian Devonian Petroleum Ltd.	Box 694, Calgary, Alberta	Virden, Roselea, and Routledge
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Virden, Roselea, and Scallion
Canadian Superior Oil Ltd.	703-6th Ave. S.W., Calgary, Alberta	Various
Dillman Oil Properties Ltd.	305 Brent Bldg., Regina, Saskatchewan	Kirkella
Dome Petroleum Limited	706-7th Ave. S.W., Calgary, Alberta	Virden, Ebor and Hargrave
Eureka Oils Ltd.	176 Sutherland Ave., Winnipeg 4	Roselea and Virden
Fargo Oils Ltd.	320-7th Ave. S.W., Calgary, Alberta	Virden and Roselea
Fosca Oil Co. Ltd.	309-7th Ave. S.W., Calgary, Alberta	Daly
Frontenac Petroleum Co. Ltd.	70 Calder Crescent, Regina, Saskatchewan	Virden and Roselea
Halliburton Oil Producing Co.	2915 Classen Blvd., Oklahoma City, Oklahoma, U.S.A.	Routledge
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Kissinger Petroleum Ltd.	Box 8878, University Park Station, Denver 10, Colorado, U.S.A.	Wildcat
Kranz Oil Ltd.	653-4th Ave. N., Minot, North Dakota, U.S.A.	Virden and Roselea
Landa Oil Company	5738 North Central Expressway, Dallas, Texas, U.S.A.	Scallion
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Virden and Routledge
Murphy Oil Co. Ltd.	703-5th St. W., Calgary, Alberta	Virden and Roselea
Paradise Petroleum Ltd.	Box 2, Virden	Routledge and Virden
Plymouth Oil Company	512-6th St. S.W., Calgary, Alberta	Kirkella
Pope Oils Ltd.	Box 11, Minot, North Dakota, U.S.A.	South Scallion
Recovery Oils Ltd.	Box 886, Virden	Daly
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary, Alberta	Daly
Shannon Oils Ltd.	Box 876, Brandon	North Scallion, Virden and Roselea
Shell Oil Company of Canada, Limited	Box 400, Terminal A, Toronto, Ontario	Virden and Roselea
Sun Oil Company	Drawer 38, Calgary, Alberta	Virden
Thunderbird Oils Ltd.	433-4th Ave. S.W., Calgary, Alberta	Virden and Roselea
Union Oil Co. of Canada Ltd.	709-8th Ave. W., Calgary, Alberta	Various
Vallat, E.H. Ltd.	534-6th Ave. S.W., Calgary, Alberta	North Virden and Scallion
West Canadian Oil & Gas Ltd.	505-8th Ave., Calgary, Alberta	Scallion
Saskatchewan:		
Agawam Oil Co. Ltd.	Box 830, Regina	Benson and Parkman
Albrumac Oils Ltd.	Alberta Wheat Pool Bldg., Calgary, Alberta	Steelman
Alminex Ltd.	320 Bay St., Toronto 1, Ontario	Milton
Altair Oil & Gas Co.	Box 2009 Amarillo, Texas, U.S.A.	Various
Altana Exploration Co.	Box 1338, Butte, Montana, U.S.A.	Smiley and Wapella
Ambassador Oil Corporation	Box 9338, Fort Worth, Texas, U.S.A.	Midale and Stoughton
Amerada Petroleum Corp.	703-6th Ave. W., Calgary, Alberta	Alida, Steelman and Queensdale
Bass, Harry Oil Company	1150 Mercantile Dallas Bldg., Dallas, Texas, U.S.A.	Coleville
B.C. & M. Enterprises	912-2nd St. N.W., Minot, North Dakota, U.S.A.	Hastings
Blain Well Operators Ltd.	Devon, Alberta	Waseca
Brehm Petroleum Ltd.	Box 618, Mt. Vernon, Illinois, U.S.A.	Midale
British American Oil Company Ltd.	800 Bay St., Toronto, Ontario	Various
Buffalo Oil Co. Ltd.	Box 1670, Regina	Alameda
Cabeen Exploration Corporation	706-7th Ave. S.W., Calgary, Alberta	Smiley and Whiteside
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Various
Canadian Bishop Oil Ltd.	640-7th Ave. S.W., Calgary, Alberta	Various
Canadian Delhi Oil Ltd.	505-8th Ave. S.W., Calgary, Alberta	Bone Creek
Canadian Devonian Petroleum Ltd.	Box 694, Calgary, Alberta	Carnduff and Steelman
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Various
Canadian Fina Oil Ltd.	736-8th Ave. S.W., Calgary, Alberta	Midale, Weyburn and Carnduff
Canadian Husky Oil Ltd.	815-6th St. S.W., Calgary, Alberta	Kindersley and Lloydminster
Canadian Kewanee Ltd.	805-8th Ave. S.W., Calgary, Alberta	Steelman
Canadian Oil Companies Ltd.	188 University Ave., Toronto 1, Ontario	Various
Canadian Superior Oil	703-6th Ave. W., Calgary, Alberta	Various
Canadian W.C. McBride Inc.	25 N. Brentwood Blvd., St. Louis 5, Missouri, U.S.A.	Hastings and Parkman
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary, Alberta	Carnduff
Canpet Exploration Ltd.	1450 Elveden House, Calgary, Alberta	Various
Central Del Rio Oils Ltd.	224-9th Ave. S.W., Calgary, Alberta	Weyburn
Champlin Oil & Refining Co.	Box 1240, Calgary, Alberta	Various
Colorado Oil and Gas Ltd.	Oil Exchange Bldg., Calgary, Alberta	Various
Consumers' Co-operative Refineries Ltd.	211 Ave. D, North, Saskatoon	Smiley and Eureka
Devon-Palmer Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Dillman Oil Properties Ltd.	305 Brent Bldg., Regina	Various
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary, Alberta	Various
Donna Oils	602 West Hastings St., Vancouver 2, British Columbia ..	Lloydminster
Dormark Oils Ltd.	401 Lindsay Bldg., Winnipeg 2, Manitoba	Dulwich
Elk Oils Ltd.	Box 188, Humbolt	McLaren
Fair Petroleum	Lloydminster	Lloydminster
Fargo Oils Ltd.	320-7th Ave. S.W., Calgary, Alberta	Various
Fraben Oil Corporation	440 Meadows Bldg., Dallas 6, Texas, U.S.A.	Various
Francana Oil & Gas Ltd.	5 St. James St. E., Montreal, Quebec	Various
Franco Castle No. 10 well	825 Granville St., Vancouver 2, British Columbia	Lloydminster and Lone Rock
Freeholders Oil Co. Ltd.	539-8th Ave. W., Calgary, Alberta	Midale
French Petroleum Co. of Canada Ltd.	635-6th Ave. S.W., Calgary, Alberta	Torquay

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1961 - Continued

Name	Address	Location of field
Saskatchewan - Concluded:		
Froman Oils Ltd.	Box 666, Lloydminster, Alberta	Marsden
Frontier Refining Co.	4040 East Louisiana Ave., Denver, Col., U.S.A.	Various
General American Oils Ltd.	Meadows Bldg., Dallas 6, Texas, U.S.A.	Coleville
Gladstone Petroleum Ltd.	720-7th Ave. S.W., Calgary, Alberta	Dodsland
Gridoil Freehold Leases Ltd.	330-9th Ave. S.W., Calgary, Alberta	Various
Guyar Oil Company Ltd.	1570 Elveden House, Calgary, Alberta	Dodsland
Howe, Irvin MacDonald	110 Sugnet Rd., Midland, Michigan, U.S.A.	Wildcat
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave.W., Calgary, Alberta	Various
Hudson, W.H.	1126 Mercantile Securities Bldg., Dallas, Texas, U.S.A.	Rocanville
Hussar Operators Ltd.	215A-10th St. N.W., Calgary, Alberta	Steelman
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Intermountain Petro-Mining Ltd. (Cascade Drilling Co. Ltd.)	635-6th Ave. S.W., Calgary, Alberta	Midale
Karels & Rennie	Swift Current	Lloydminster
Kissinger Petroleum Ltd.	Box 8878 University Park Station, Denver 10, Colorado, U.S.A.	Various
Kranz Oil Ltd.	653-4th Ave. North, Fargo, North Dakota U.S.A.	Benson
Landa Oil Company	5738 N. Central Express, Dallas, Texas, U.S.A.	Hastings and Parkman
Lewis, James A. Engineering Co. Ltd.	736-8th Ave. S.W., Calgary, Alberta	Cantuar
Lloydminster Gas Co. Ltd.	Lloydminster	Lloydminster
Lone Rock Gas Co.	Lone Rock	Lone Rock
McAlester Canadian Oil Co.	Box 210, Magnolia, Arkansas, U.S.A.	Weyburn and Midway
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Various
Medallion Petroleum Ltd.	512-4th Ave. W., Calgary, Alberta	Hastings
Meyers, H.	Lloydminster	Marsden and Sparky
Midland Exploration Company	5530 The Toledo, Long Beach 3, California, U.S.A.	Carnduff
Midwest Oil Corporation	809-4th St. S.W., Calgary, Alberta	Various
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary, Alberta	Various
Monsanto Oils Ltd.	314 Royalite Bldg., Calgary, Alberta	Various
Monterey Petroleum Corporation	122-635-6th Ave. S.W., Calgary, Alberta	Various
Murphy Oil Co. Ltd.	703-5th St. W., Calgary, Alberta	Midale, Weyburn and Hastings
New Continental Oil Co. of Canada Ltd.	1170 Elveden House, Calgary, Alberta	Various
Nortex Exploration Corp.	1900 Life of America Bldg., Dallas, Texas, U.S.A.	Gainsboro and Benson
North American Oils Ltd.	602 W., Hastings St., Vancouver 2, British Columbia	Lloydminster
Nuwell Oils Ltd.	10019-103 rd St., Edmonton, Alberta	Dutwich and Silverdale
Oliphant & Oliphant	1905 National Bank of Tulsa Bldg., Tulsa, Oklahoma, U.S.A.	Rapdan
Orecan Oil Ltd.	305 Brent Bldg., Regina	West Kingsford
P.A.T. Operators Ltd.	508 Royal Trust Bldg., Edmonton, Alberta	Lloydminster
Pamoil Ltd.	301 Hudson's Bay Oil & Gas Bldg., Calgary, Alberta	Carnduff and Alameda
Phillips, Joe Ltd.	332-7th Ave. S.W., Calgary, Alberta	Various
Placid Oil Co.	418 Market St., Shreveport, Louisiana, U.S.A.	Nottingham, Glen Ewen and Steelman
Prenalta Petroleum Ltd.	Box 381, Oxbow	Alameda
Pure Oil Company (The)	200 East Golf Rd., Palatine, Illinois, U.S.A.	Batrun and Carnduff
Ranger Oil (Canada) Ltd.	505-8th Ave. W., Calgary, Alberta	Various
Rex Oil & Development Co. Ltd.	401 Lindsay Bldg., Winnipeg, Manitoba	Dulwich
Ribrock Oils Ltd.	Box 790, Prince Albert	Lone Rock
Rogers Alberta Syndicate	Lloydminster	Lloydminster
Rogers, A.S.	Lloydminster	Lloydminster
Royalite Oil Company Ltd.	Royalite Bldg., Calgary, Alberta	Various
Rutledge, Paul F.	Box 2239, Santa Fe, New Mexico, U.S.A.	Midale
Sarcee Petroleum Ltd.	640-7th Ave. S.W., Calgary, Alberta	Eureka-Dodsland
Saskatchewan Power Corporation	1739 Cornwall St., Regina	Hatton
Saskatoon Petroleum	602 W. Hastings St., Vancouver, British Columbia	Lloydminster
Shell Oil Company of Canada, Ltd.	Box 400, Terminal A, Toronto 1, Ontario	Various
Sinclair Canada Oil Co.	700 Petroleum Bldg., Calgary, Alberta	Alameda, Steelman and Weyburn
Skelly Oil Company	Box 1650, Tulsa, Oklahoma, U.S.A.	Various
Sohio Petroleum Company	309-8th Ave. W., Calgary, Alberta	Various
Spelman Prentice & Associates	1 Professional Bldg., Tarrytown, New York, U.S.A.	Alameda
Stekoll Petroleum Corporation	1100 Mercantile Continental Bldg., Dallas Texas, U.S.A.	Various
Sun Oil Company	805-8th Ave. S.W., Calgary, Alberta	Various
Swiss Oils of Canada (1959) Ltd.	513-8th Ave. S.W., Calgary, Alberta	Lloydminster
Tenneco Corporation and subsidiaries	Box 18, Houston, Texas, U.S.A.	Hitchcock and South Weyburn
Texaco Exploration Co.	237-7th Ave. S.W., Calgary, Alberta	Various
Tidewater Oil Co.	Box 1404, Houston 1, Texas, U.S.A.	Various
Trans-Western Oils Ltd.	604-1st Ave. S.W., Calgary, Alberta	Lone Rock
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta	Steelman
Union Oil Co. of Canada Ltd.	709-8th Ave. S.W., Calgary, Alberta	Various
Union Texas Natural Gas Corp.	309-7th Ave. S.W., Calgary, Alberta	Alameda and Steelman
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary, Alberta	Various
Valentia Oil Corporation Ltd.	67 Yonge St., Toronto 1, Ontario	Dulwich
West Canadian Oil & Gas Limited	505-8th Ave. S.W., Calgary, Alberta	Various
Western Allenbee Oil & Gas Co. Ltd.	204-569 Howe St., Vancouver 1, British Columbia	Lloydminster
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary, Alberta	North Premier
Whitehall Canadian Oils Ltd.	Can. Bank of Commerce Bldg., Toronto, Ontario	Various
Williamson Oil & Gas Ltd.	444-7th Ave. S.W., Calgary, Alberta	Various
Wintershall Oil of Canada Ltd.	626 Lougheed Bldg., Calgary, Alberta	Various
Alberta:		
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Various
Alberta Pacific Consolidated Oils Ltd.	635-6th Ave. S.W., Calgary	Turner Valley
Altana Exploration Company	Box 1338, Butte, Montana, U.S.A.	Caroline and Garrington
Ambassador Oil Corp.	Box 9338, Fort Worth, Texas, U.S.A.	Various
Amerada Petroleum Corporation	703-8th Ave. W., Calgary	Various
American Leduc Petroleum Ltd.	10435-124th St., Edmonton	Bashaw
American Metal Climax Inc.	1270 Avenue of the Americas, New York, New York, U.S.A.	Crossfield
American Northland Oil Co.	635-6th Ave. S.W., Calgary	Wainwright
Anglo-American Exploration Ltd.	330-9th Ave. W., Calgary	Camrose, Drumheller and Leduc
Armistie Oil Co. Ltd.	10044-102nd St., Edmonton	Armistie
Asamera Oil Corp. Ltd.	315-8th Ave. S.W., Calgary	Various
Atlantic Refining Co.	303-11745 Jasper Ave., Edmonton	Various
Bailey Selburn Oil & Gas Ltd.	901-8th Ave. W., Calgary	Various
Banff Oil Ltd.	505-8th Ave. Bldg., Calgary	Bellshill and Wimborne
Bashaw Leduc Oil & Gas Ltd.	10347-71st Ave., Edmonton	Joarcam
Bass, Harry Oil Company	239-6th Ave. W., Calgary	Bon Accord and Bantry
Big Five Petroleum Ltd.	201 Lancaster Bldg., Calgary	Leduc and Woodbend

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1961 — Continued

Name	Address	Location of field
Alberta — Continued:		
Blair, Edwin Foster	309-8th Ave. S.W., Calgary	Various
Blue Crown Petroleums Ltd.	351-13th Ave. S.W., Calgary	Namoo
Bonnyville Gas Co. Ltd.	Bonnyville	Bonnyville
Bonnyville Oil & Refining Corp.	1410 Stanley St., Montreal, Quebec	Bonnyville
Brett Oil & Gas Ltd.	315 Lancaster Bldg., Calgary	Chin Coulee
Brinkerhoff Drilling Co. Ltd.	220 Bentall Bldg., Calgary	Joffre and Crossfield
British American Oil Co. Ltd.	800 Bay St., Toronto	Various
Cabeen Exploration Corp.	706-7th Ave. S.W., Calgary	Various
California Standard Company	Medical Arts Bldg., Calgary	Various
Calmar West Oils Ltd.	401 Lancaster Bldg., Calgary	Leduc
Campbell, R. & Associates	Box 4183 Station D., Vancouver 9, British Columbia	Leduc-Woodbend
Canada-Cities Service Petroleum Corporation	Bartlesville, Oklahoma, U.S.A.	Various
Canadian-American Royalties Ltd.	123 Petroleum Bldg., Calgary	Crossfield
Canadian Chieftain Petroleums Ltd.	8631-109th St., Edmonton	Joffre, Namoo and Provost
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Various
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary	Various
Canadian Fina Oil Limited	736-8th Ave. S.W., Calgary	Various
Canadian High Crest Oils Ltd.	528-9th Ave. W., Calgary	Wainwright, Baxter Lake, Leduc, Malmo, Crossfield and Etzikom.
Canadian Husky Oil Ltd.	815-6th St. S.W., Calgary	Lloydminster, Leduc and Savanna Creek
Canadian Industrial Gas Ltd.	528-9th Ave. S.W., Calgary	Morinville, St. Albert and Big Lake
Canadian Kewanee Ltd.	805-8th Ave. S.W., Calgary	Various
Canadian-Montana Gas Company Ltd.	Box 1338, Butte, Montana, U.S.A.	Various
Canadian Oil Companies Ltd.	188 University Ave., Toronto, Ontario	Various
Canadian Pacific Oil & Gas Ltd.	Box 400, Calgary	Various
Canadian Salt Co. Ltd.	Canada Cement Bldg., Montreal, Quebec	Lindbergh
Canadian Seaboard Oil Co.	237-7th Ave. W., Calgary	Various
Canadian Superior Oil Ltd.	703-6th Ave. W., Calgary	Various
Canadian Western Natural Gas Co. Ltd.	140-6th Ave. S.W., Calgary	Various
Canadian Western Power & Fuel Co. Ltd.	Redcliff	Medicine Hat
Cancrude Oil & Gas Co. Ltd.	444-7th Ave. S.W., Calgary	Pembina
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary	Various
Canpet Exploration Ltd.	1450 Elveden House, Calgary	Various
Central Del Rio Oils Ltd.	224-9th Ave. S.W., Calgary	Leduc - Woodbend
Century Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Champlin Oil & Refining Co.	Box 1240, Calgary	Various
Colorado Oil & Gas Ltd.	Oil Exchange Bldg., Calgary	Various
Daveroy Oil Co. Ltd.	9619-54th St., Edmonton	Camrose
DeKalb Petroleum Corporation	635-6th Ave. S.W., Calgary	Sundre, Westward Ho and Pembina
Dempsey Oils Ltd.	117B-8th Ave. S.W., Calgary	Leduc - Woodbend
Devon Palmer Oils Ltd.	320-7th Ave. S.W., Calgary	Various
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary	Pembina, Drumheller and Redwater
Dominion Glass Co. Ltd.	1111 Beaver Hall Hill, Montreal, Quebec	Medicine Hat
Dundee Oils Ltd.	10760A-82nd Ave., Edmonton	Leduc-Woodbend
Eldon Royal American Model #1	201 Lancaster Bldg., Calgary	Legal
Elk Point Gas Ltd.	Elk Point	Elk Point
Embassy Petroleum Ltd.	227-7th Ave. S.W., Calgary	Whitelaw and Leduc - Woodbend
Federal Oils Syndicate	223A-10th St. N.W., Calgary	Patricia
Flamingo Oils Limited	402-100 Adelaide St. W., Toronto, Ontario	Redwater
Fosca Oil Co. Ltd.	309-7th Ave. S.W., Calgary	Battle South, Wainwright and Aden
French Petroleum Co. of Can. Ltd.	635-6th Ave. S.W., Calgary	Various
Goodyear Tire and Rubber Co. of Canada Ltd.	3050 Lakeshore Blvd. W., Toronto 14, Ontario	Medicine Hat
Great Plain's Development Company of Canada Ltd.	528-9th Ave. W., Calgary	Various
Guyer Oil Company Ltd.	1570 Elveden House, Calgary	Joffre and Barrie Lake
Hales Oil & Gas Co. Ltd.	433-4th Ave., Calgary	Ellerslie
Home Oil Company Limited	304-6th Ave. W., Calgary	Various
Hudson's Bay Oil & Gas Co., Ltd.	320 Seventh Ave. W., Calgary	Various
Hunt Oil Company	700 Mercantile Bldg., Dallas, Texas, U.S.A.	Ferrier and Buffalo Lake
Imperial Oil Ltd.	111 St. Clair Ave., Toronto, Ontario	Various
Inland Gas & Oil Co. Ltd.	124 Commercial Chambers, Edmonton	Viking - Kinsella
Ireton Petroleums Ltd.	10347-71st Ave., Edmonton	Chamberlain
Kali Ltd.	906 Ridge Rd., Calgary	Leduc - Woodbend
Kelcam Oils Ltd.	6503-103rd St., Edmonton	Leduc - Woodbend
Kerr-McGee Oil Industries Inc.	Kerr-McGee Bldg., Oklahoma City, Oklahoma, U.S.A.	Prevo
King-Stevenson Oil Ltd.	1580 Elvedon House, Calgary	Various
L.B. Oils Ltd.	Macdonald Hotel, Edmonton	Leduc - Woodbend
Leduc Calmar Oil Co. Ltd.	300 Lancaster Bldg., Calgary	Leduc - Woodbend
Lewis, James A. Engineering Ltd.	736-8th Ave. S.W., Calgary	Pembina
Lloydminster Development Co. Ltd.	220 Tegler Bldg., Edmonton	Lloydminster
Lloydminster Gas Co. Ltd.	Drawer H., Lloydminster, Saskatchewan	Lloydminster
Lobitos Oilfields Canada Ltd.	940-8th Ave. W., Calgary	Various
Luscar Coals Ltd.	605 Royal Trust Bldg., Edmonton	Pembina and Swan Hills
Many Islands Pipe Lines Ltd.	1739 Cornwall St., Regina, Saskatchewan	Medicine Hat
Maple Leaf Mills Ltd.	44 Eglinton Ave., Toronto, Ontario	Medicine Hat
Marjack Oils Ltd.	10305-97th St., Edmonton	Leduc
McAlester Canadian Oil Co.	Box 210, Magnolia, Arkansas, U.S.A.	Various
McConset-Leduc Syndicate	635-6th Ave. S.W., Calgary	Leduc - Woodbend
Medallion Petroleums Ltd.	512-4th Ave. W., Calgary	Various
Medicine Hat City	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd.	Box 70, Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd. (Alberta Clay Products Division)	Box 70, Medicine Hat	Medicine Hat
Melton Petroleums Limited	10154-103rd St., Edmonton	Leduc - Woodbend
Metro Oil & Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Midwest Oil Corporation	809-4th St. S.W., Calgary	Various
Mid-Western Industrial Gas Ltd.	11055-107th St., Edmonton	Various
Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Various
Monarch Investments Ltd.	Medicine Hat	Medicine Hat
Monterey Petroleum Corporation Ltd.	635-6th Ave. S.W., Calgary	Leduc - Woodbend
Murphy Oil Co. Ltd.	703-5th St. W., Calgary	Various
New Continental Oil Co. of Canada Ltd.	1170 Elveden House, Calgary	Leduc
New York Oils Ltd.	703-5th St. S.W., Calgary	Penhold
North Canadian Oils Ltd.	640-7th Ave. S.W., Calgary	Various
Northern Natural Gas Producing Co.	2223 Dodge St., Omaha, Nebraska, U.S.A.	Various
Northwestern Utilities Ltd.	10040-104th St., Edmonton	Various
Ogilvie Flour Mills Co. Ltd.	Dominion Square Bldg., Montreal, Quebec	Medicine Hat

Directory of Firms in the Crude Petroleum and Natural Gas Industry, 1961 — Concluded

Name	Address	Location of field
Alberta — Concluded:		
Ohio Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Various
Okalta Oils Ltd.	239-6th Ave. W., Calgary	Turner Valley & Leduc
Old Settlers Oils Ltd.	9930-106th St., Edmonton	Various
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary	Various
Pamoil Ltd.	301 Hudson's Bay Oil & Gas Bldg., Calgary	Keystone
Pan American Petroleum Corp.	444-7th Ave. S.W., Calgary	Various
Peigan Oil of Canada Ltd.	1027-8th Ave. S.W., Calgary	Various
Perry Brick & Tile Co. Ltd.	Redcliff	Medicine Hat
Phillips, Joe Ltd.	332-7th Ave. S.W., Calgary	Various
Piute Petroleum Ltd.	505 Second St. S.W., Calgary	Wainwright
Plymouth Oil Company	512-6th St. S.W., Calgary	Pembina and Swan Hills
Prensett Corporation	Professional Bldg., Tarrytown, New York, U.S.A.	Bantry South
Provo Gas Producers Ltd.	706-7th Ave. S.W., Calgary	Crossfield, Hughenden and Pembina
Pure Oil Company	1200 Elveden House, Calgary	Swan Hills & Ferrier
Quinalta Petroleum Ltd.	617-7th Ave. W., Calgary	Morinville
Ranger Oil (Canada) Ltd.	505-8th Ave., West Bldg., Calgary	Various
Redcliff Premier Brick Co.	Redcliff	Medicine Hat
Redwater Oils Ltd.	200-838-11th Ave. S.W., Calgary	Hairy Hill
Redwater Water Disposal Co. Ltd.	8505 Argyle Rd., Edmonton	Redwater
Regent Refining (Canada) Ltd.	509-3rd St. W., Calgary	Swan Hills
Richfield Oil Corporation	555 South Flower St., Los Angeles 17, Cal.	Various
Royal American Oil Co. Ltd.	201 Lancaster Bldg.	Leduc-Woodbend
Royal Canadian Ventures Ltd.	1011A-17th Ave. S.W., Calgary	Clive
Royalite Oil Company Limited	Royalite Bldg., Calgary	Various
Sage Oil Company Limited	10760A-82nd Ave., Edmonton	Various
Salt Dome Production Company	737 Texas National Bank Bldg., Houston 2, Texas, U.S.A.	Milk River
Sasko-Wainwright Oil & Gas Ltd.	9930-106th St., Edmonton	Wainwright
Schermerhorn Oil Corporation	Box 287 Tulsa, Oklahoma, U.S.A.	Redwater
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary	Various
Sharples Oil Corporation	1700 Broadway, Denver 2, Colorado, U.S.A.	Wildcat
Shell Oil Company of Canada, Limited	Box 400, Terminal A, Toronto, Ontario	Jumping Pound etc.
Sinclair Canada Oil Company	700 Petroleum Bldg., Calgary	Various
Skelly Oil Company	Box 1650, Tulsa, Oklahoma, U.S.A.	Various
Sohio Petroleum Company	309-8th Ave. S.W., Calgary	Wildcat
Southland Royalty Company	1603 First National Bldg., Fort Worth 2, Texas, U.S.A.	Hays
Sparky Development Ltd.	330-9th Ave. W., Calgary	Wainwright
Spooner Mines & Oils Ltd.	640-7th St. S.W., Calgary	Turner Valley
Stekoll Petroleum Corp.	1100 Mercantile Continental Bldg., Dallas, Texas, U.S.A.	Various
Sterling Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Sturgeon Petroleum Ltd.	224-9th Ave. S.W., Calgary	Leduc-Woodbend
Suffield Experimental Station	Ralston	Wildcat
Suffield Gas Distributing System	Suffield	Suffield
Sun Oil Company	P.O. Drawer 39, Calgary	Various
Sunshine Mining Company	W. 300 Mission Ave., Spokane 1, Washington, U.S.A.	Pembina
Supertest Petroleum Corporation Ltd.	245 Pall Mall St., London, Ontario	Various
Swain Oils Ltd.	502 Toronto General Trusts Bldg., Calgary	Pembina and Leafield
Tenneco Corporation and Subsidiaries	Box 18, Houston, Texas, U.S.A.	Various
Texaco Canada Ltd.	246 Bloor St. W., Toronto, Ontario	Pembina, Deer Mountain and Snipe Lake
Texaco Exploration Company	237-7th Ave. W., Calgary	Various
Texas Pacific Coal and Oil Company	Box 2110, Fort Worth National Bank Bldg., Fort Worth, Texas, U.S.A.	Various
Texfel Petroleum Corporation	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Pembina
Tidal Petroleum Corporation Ltd.	8631-109th St., Edmonton	Lloydminster and Cessford
Tidewater Oil Company	809 Centre St. S.W., Calgary	Pembina
Tilley Gas Co. Ltd.	Tilley	Tilley
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary	Various
Union Oil Co. of Canada Ltd.	709-8th Ave. W., Calgary	Various
Union Texas Natural Gas Corporation	309-7th Ave. S.W., Calgary	Various
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary	Various
United Producing Company Inc.	530 Bentall Bldg., Calgary	Pembina and West Fenn
Vanlorne Oils Ltd.	10760A-32nd Ave., Edmonton	Leduc-Woodbend
Vermilion Consolidated Oils Ltd.	351-13th Ave. S.W., Calgary	Wildmere
Wardean Drilling Ltd.	534-6th Ave., Calgary	Acheson East
Wespac Petroleum Ltd.	718-8th Ave. S.W., Calgary	Whitemud
West Canadian Oil & Gas Ltd.	505-8th Ave. W., Calgary	Various
Western Allenbee Oil & Gas Co. Ltd.	569 Howe St., Vancouver 1, British Columbia	Leduc-Woodbend and Wainwright
Western Canadian Venture	309-8th Ave. S.W., Calgary	Harmattan East
Western Chemicals Ltd.	200-838 Eleventh Ave. W., Calgary	Duvernay
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary	Various
Western Minerals Ltd.	200-838 Eleventh Ave. S.W., Calgary	Willington
Western Warner Oils Ltd.	215A-10th St., Calgary	Leduc-Woodbend and Aerial
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ontario	Various
Widney Oil & Drilling Co. Ltd.	Box 4489, Edmonton	Leduc-Woodbend
Winstershall Oil of Canada Ltd.	626 Lougheed Bldg., Calgary	Pembina and Willesden Green
Zapata Canadian Petroleum Corporation	502 Empire Bldg., Calgary	Various
British Columbia:		
Amerada Petroleum Corporation	703-6th Ave. S.W., Calgary, Alberta	Various
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary, Alberta	Boundary Lake and Laprise Creek
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Ohio Oil Company	409-8th Ave. W., Calgary, Alberta	Boundary Lake
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary, Alberta	Fort St. John
Sinclair Canada Oil Company	700 Petroleum Bldg., Calgary, Alberta	Various
Sun Oil Company	805-8th Ave. S.W., Calgary, Alberta	Various
Texaco Exploration Co.	237-7th Ave. W., Calgary, Alberta	Various
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta	Beaton River and West Beaton River
Union Oil Company of Canada Ltd.	709-8th Ave. W., Calgary, Alberta	Various
Western Natural Gas Co. Inc.	Box 1508, Houston 1, Texas, U.S.A.	Various
Whitehall Canadian Oils Ltd.	307-4th St. S.W., Calgary, Alberta	Milligan Creek
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	111 St. Clair Ave., Toronto, Ontario	Fort Norman

NATURAL GAS PROCESSING PLANTS, 1961

This report includes statistics for industry 065—Natural Gas Processing Plants of the Standard Industrial Classification Manual (Catalogue No. 12-501).

This is a new classification wherein some firms which had been classified in the manufacturing industries have been transferred to the mineral industry. Some of the statistics prior to 1960 were included in the compressed gases industry.

The first natural gas processing plant in Alberta was put into operation in 1933 to recover the natural gasoline or "naphtha". As natural gas became a more important commodity it has become necessary to build more plants to supply dry, clean, natural gas. In processing the wet sour natural gas the by-products which are made include propane, butane, propane-butane mix, natural gasoline, condensate, and hydrogen sulphide. Hydrogen sulphide is further processed to yield elemental sulphur.

TABLE 30. Principal Statistics for the Natural Gas Processing Industry, 1960-61

Year	Estab- lish- ments	Em- ployees	Earnings	Cost of fuel and electricity at works	Cost of process supplies	Gross selling value of products (f.o.b. works)	Net value of production
	number				dollars		
1960	43	669	3,790,433	1,288,028	958,186	45,762,880	18,850,529
1961	49	744	4,477,319	1,869,994	1,288,061	78,020,013	36,648,692

TABLE 31. Producers Shipments of Natural Gas By-Products, 1961

Product	Saskat- chewan	Alberta	British Columbia	Canada
	dollars			
Propane, butane	1,476,478	23,059,867	2,756,614	27,292,959
L.P.G.—Mix, condensate				
Natural gasoline				

TABLE 32. Production and Sales of Natural Gasoline and Naphtha in Alberta, 1960 and 1961

	1960	1961
Production—by fields:		
Acheson	15,307	17,953
Bonnie Glen	138,515	171,531
Cessford	53,028	69,024
Countess	563	7,139
Enchant	—	1,244
Hussar	50,037	78,671
Jumping Pound	70,113	68,776
Leduc-Woodbend	122,714	142,866
Morinville	49,933	43,350
Nevis	93,969	119,594
Pembina	349,881	368,617
Prevo	202	12,790
Redwater	30,726	45,290
Sedalia	17	465
Sibbald	—	167
Turner Valley	459,340	482,994
Wayne-Rosedale	10,075	12,018
Wood River	2	6,553
Totals, Alberta	1,444,422	1,649,042
Transferred to oil	1,396,254	1,617,046
Sales	\$ 3,388,848	3,796,552

TABLE 33. Employees and their Earnings in the Natural Gas Processing Plants, 1960-61

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number						dollars		
1960	152	20	496	1	669	1, 404, 606	1, 010, 143	2, 780, 290	3, 790, 433
1961	171	16	557	—	744	1, 539, 033	1, 228, 857	3, 248, 462	4, 477, 319

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 34. Workmen, by Months, in the Natural Gas Processing Plants, 1961

(Number on pay-roll on the last work-day of each month)

Month	Male	Female	Total
January	555	—	555
February	549	—	549
March	550	—	550
April	552	—	552
May	563	—	563
June	569	—	569
July.....	564	—	564
August	561	—	561
September.....	547	—	547
October	542	—	542
November	541	—	541
December	528	—	528
Averages	557	—	557
<i>Total man-hours worked.....</i>			<i>1, 158, 975</i>

TABLE 35. Fuel and Electricity Used in the Natural Gas Processing Plants, 1961

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines	—	—
(b) Imported	—	—
Sub-bituminous coal (from Alberta mines only)	—	—
Anthracite coal	—	—
Lignite coal	—	—
Coke (for fuel only)	—	—
Gasoline, (includes gasoline used in cars and trucks).....	Imp. gal. 174, 792	53, 904
Kerosene or coal oil.....	1, 170	322
Fuel oil	6, 734	1, 284
Wood (cords of 128 cubic feet of piled wood).....	—	—
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal. 1, 078, 962	43, 266
(b) Other manufactured gas	—	—
(c) Natural gas	M. cu.ft. 10, 630, 991	1, 159, 913
Other fuel.....	—	—
Electricity purchased for power and lighting	kwh. 31, 415, 116	534, 434
Electricity purchased for other purposes	—	—
Steam purchased	pound 496, 269, 477	76, 871
Totals.....	...	1, 869, 994
Electricity generated (a) For own use	kwh. 34, 384, 209	...
(b) For sale	—	—

Directory of Firms in the Natural Gas Processing Industry, 1961

Name	Address	Location of field
Saskatchewan:		
Nottingham Gas Limited	1825 McIntyre St., Regina	Alida
Saskatchewan Power Corporation	1739 Cornwall St., Regina	Coleville-Smiley and Cantuar
Smiley Gas Conservation Ltd.	1825 McIntyre St., Regina	Smiley
Steelman Gas Ltd.	706-7th Ave. S. W., Calgary, Alberta	Steelman
Alberta:		
British American Oil Company Limited	800 Bay St., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary	Nevis, Princess and Sunnynook
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Buck Lake
Canadian Export Gas & Oil Ltd.	203 Oil Exchange Bldg., Calgary	Sedalia
Canadian Fina Oil Ltd.	736-8th Ave. S.W., Calgary	Samson
Canadian Industrial Gas Processors Ltd.	528-9th Ave. S.W., Calgary	St. Albert
Canadian-Montana Gas Co. Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte
Canadian Oil Companies Ltd.	631-7th Ave. S.W., Calgary	Innisfail
Canadian Pacific Oil & Gas Ltd.	Box 400, Calgary	Hussar and Wayne-Rosedale
Canadian Seaboard Oil Company	237-7th Ave. W., Calgary	Gilby
Canex Gas Ltd.	203 Oil Exchange Bldg., Calgary	Cessford and Wood River
Cankee Gas Company	805-8th Ave. W., Calgary	Cessford
Chieftain Mac Gas Ltd.	8631-109th St., Edmonton	Provost
Goliad Oil & Gas Co. Ltd.	610 Hudson's Bay Oil & Gas Bldg., Calgary	Pembina
Home Oil Company Limited	304-6th Ave. S.W., Calgary	Carstairs
Hudson's Bay Oil and Gas Co. Ltd.	320-7th Ave. W., Calgary	Cessford and Oyen
Imperial Oil Limited	111 St. Clair Ave. W., Toronto 7, Ontario	Various
Kerr-McGee Oil Industries Inc.	Kerr-McGee Bldg., Oklahoma City, Oklahoma, U.S.A.	Prevo
Mid-Western Industrial Processors Ltd.	Box 5460, Edmonton	Alexander
Murphy Oil Company Ltd.	703-5th St. S.W., Calgary	Princess
Okalta Oils Limited	224-9th Ave. S.W., Calgary	Princess
Pan American Petroleum Corporation	444-7th Ave. S.W., Calgary	Windfall and Three Hills
Progas Ltd.	250 Elveden House, Calgary	Acheson
Provo Gas Producers Ltd.	706-7th Ave. S.W., Calgary	Provo Viking
Royalite Oil Company Limited	Royalite Bldg., Calgary	Turner Valley
Shell Oil Co. of Canada Ltd.	1027-8th Ave. W., Calgary	Jumping Pound
Sohio Petroleum Company	309-8th Ave. S.W., Calgary	Chigwell East
Sun Oil Company	Drawer 38, Calgary	Countess, Enchant, and Sibbald
Texaco Exploration Company	237-7th Ave. W., Calgary, Alta.	Bonnie Glen, Cynthia
Texas Gulf Sulphur Co. (Inc.)	75 East 45th St., New York 17, N.Y., U.S.A.	Okotoks
Tidal Petroleum Corp. Ltd.	8631-109th St., Edmonton	Cessford
British Columbia:		
Jefferson Lake Petrochemicals of Canada Ltd.	410 Petroleum Bldg., Calgary, Alberta	Taylor
Pacific Petroleum Ltd.	320-9th Ave. S.W., Calgary, Alberta	Fort St. John

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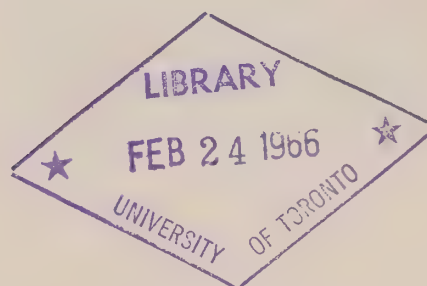
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THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY

1962



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EXPLANATORY NOTES

Establishment

The reporting unit in the Census of Manufactures is the **establishment**. Beginning with the 1961 Census, the establishment is defined as follows:

The smallest unit which is a separate operating entity capable of reporting all the following:

- Materials and supplies used,
- Goods purchased for resale as such,
- Fuel and power consumed,
- Number of employees and their pay,
- Inventories,
- Shipments or sales.

The establishment is to be distinguished from smaller subdivisions or departments which do not have records which permit them to report all items required of an establishment. Prior to 1961, some establishments were required to submit two or more separate reports when they were engaged in operations which were classifiable to different industries. Beginning with 1961, separate reports for such operations will be required only in cases where accounting records can provide all the elements of principal statistics enumerated above. Special reporting arrangements were made with respondents when the acceptance of combined reports would have seriously

affected the statistics for particular industries or areas. Where continuity of industry statistics was affected by this change in reporting procedures, adjustments to the data were made back to 1957 in order to maintain comparability of the series for recent years.

A mining establishment is typically a mine, mine/mill, quarry, pit or bog principally engaged in mining operations. Prior to 1961, the Census of Mines, Quarries and Oil Wells attempted to cover the mining activities of all establishments, whether or not they were principally engaged in mining operations. Beginning with the 1961 Census, establishments (accounting entities) which are not primarily engaged in mining are no longer included as mining establishments in the basic industry statistics. Again adjustments to the industry statistics were made to reflect the removal of such reporting units for the period 1957-1960. These reporting units are now listed as establishments in other Bureau industry surveys, such as Wholesale Trade, Construction, etc. In order, however, to maintain complete coverage of certain commodity items produced mainly in mining establishments, many non-mining establishments are now surveyed for commodity information only and the latter are included in the appropriate tables of industry reports.

SYMBOLS

The following standard symbols are used in Dominion Bureau of Statistics publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- Ⓟ preliminary figures.
- Ⓡ revised figures.

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY

1962

This report includes statistics for industry 063—Petroleum and Gas Wells of the Standard Industrial Classification Manual (Catalogue No. 12-501).

For convenient reference this publication includes statistics for industry 065—Natural Gas Processing Plants of the Standard Industrial Classification Manual (Catalogue No. 12-501).

The principal statistics for this industry have been rearranged. Table 1A was compiled on the basis of the industrial classification in use prior to 1960. The data in Table 1B have been revised from the reports of those firms which were classified to this industry according to the Revised Standard Industrial Classification and New Establishment Concept. Several operators have been reclassified to other industries, e.g. Distributors, Clay Products, etc. Prior to 1960 the figures under "Establishments or wells" indicated the number of operating wells.

The average number of persons employed by the industry was 3,978 to whom \$23,275,754 were paid in salaries and wages. Fuel cost, \$2,968,192 and 152,895,423 kwh. of electricity were purchased for \$3,871,644. Process supplies were valued at \$7,369,889. Commodity statistics are shown in Table 3 and subsequent tables include petroleum and natural gas produced by operators who may not be classified to this industry. Most of the commodity statistics are compiled from the data published by the provincial governments.

During 1962 the Canadian production of crude petroleum amounted to 244,115,152 barrels valued

at \$552,352,509 compared with 220,848,080 barrels valued at \$487,560,242 in the preceding year.

Over 165 million barrels came from Alberta wells. The oil fields in Alberta which produced in excess of 3 million barrels were, Bonnie Glen, Fenn-Big Valley, Golden Spike, Joffre, Judy Creek, Leduc-Woodbend, Pembina, Redwater, Swan Hills and Wizard Lake.

Production in Saskatchewan increased to 64.4 million barrels. The following oil fields each had an output in excess of 2 million barrels, Dollard, Fosterton, Instow, Midale, Nottingham, Steelman, and Weyburn.

Output in Manitoba continued to decline. Fields which produced over a million barrels were Virden-Roselea and North Virden Scallion. Oil production in Ontario exceeded a million barrels. British Columbian output was over a million barrels. There was small increase in the output of the wells in the Northwest Territories. Less crude petroleum was produced in New Brunswick than in the preceding year.

Production of natural gas in Canada during 1962 amounted to 946,702,727 thousand cubic feet valued at \$108,641,159. These figures include the natural gas sold for domestic, industrial and other uses and the gas used in the field by the well operators, but the gas which is allowed to go to waste is not included. Production in Ontario was valued at wholesale prices. In Alberta, the total output, less field waste, reproduction and meter differences, was valued at a nominal wellhead price.

**TABLE 1 A. Principal Statistics of the Crude Petroleum and Natural Gas Industry,
Significant Years, 1929 - 59**

Basis: Standard Industrial Classification prior to 1960

Year	Firms	Operating wells	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value added by processing ¹
	number			dollars				
1929	521	4,933	4,174	6,023,836	334,944	..	12,924,345	..
1931	305	4,790	2,901	3,706,539	330,432	..	12,956,109	..
1933	349	4,640	2,085	2,424,549	190,272	..	11,288,121	..
1937	499	5,596	3,648	4,828,484	546,877	661,969	15,039,964	13,831,118
1939	570	5,741	3,770	5,104,203	789,944	740,508	21,475,520	19,945,068
1941	503	5,736	4,005	6,096,612	712,845	199,157	26,234,427	25,322,425
1944	435	5,885	4,357	8,700,330	1,188,487	255,460	25,590,715	24,146,768
1946	459	6,139	3,218	5,751,932	1,141,531	131,012	25,313,314	24,040,771
1949	457	7,093	4,365	11,017,867	658,522	390,697	78,673,640	77,624,421
1950	456	7,840	5,035	13,552,063	791,257	1,109,024	91,040,160	89,139,879
1951	489	8,746	5,843	18,010,015	1,237,267	2,148,110	123,056,952	119,671,575
1954	567	12,134	6,757	24,621,117	3,135,341	4,171,184	256,141,175	248,840,650
1955	592	14,126	6,868	26,018,298	3,568,700	5,984,143	319,860,795	310,307,952
1956	554	16,626	8,092	36,352,689	4,806,832	9,087,274	417,565,776	403,671,670
1957	543	18,885	7,821	36,302,114	5,970,451	10,691,980	465,324,929	448,662,498
1958	639	19,854	7,064	33,316,006	6,403,564	10,266,907	423,776,203	407,105,732
1959	643	21,557	6,721	33,701,648	7,420,485	9,661,761	455,516,896	438,434,650

¹ Gross value of shipments less cost of fuel, electricity and process supplies.

TABLE 1 B. Principal Statistics for the Crude Petroleum and Natural Gas Industry, 1957 - 62

Basis: Revised Standard Industrial Classification and New Establishment Concept

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production (including containers)	Net production ¹
	number		dollars				
1957	519	5,594	27,378,701	5,399,338	10,106,789	461,502,460	445,996,333
1958	615	4,910	24,231,610	5,157,655	8,245,654	418,921,389	405,518,080
1959	618	4,765	25,506,916	6,260,848	8,710,879	451,197,257	436,225,530
1960	612	4,349	23,576,753	6,122,389	10,780,762	467,616,813	450,713,662
1961	581	4,157	23,647,883	6,160,125	8,343,324	569,567,414	555,063,965
1962	499	3,978	23,275,754	6,839,836	7,369,889	690,571,608	676,361,883

¹ Gross production less cost of process supplies, etc., fuel and electricity.

TABLE 2. Principal Statistics of the Crude Petroleum and Natural Gas Industry, 1961 - 62

Basis: Revised Standard Industrial Classification and New Establishment Concept

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value added by processing ¹
	number		dollars				
1961							
New Brunswick	1	12	40,666	5,460	—	160,011	154,551
Ontario	195	210	577,604	90,620	223,313	7,339,635	7,025,702
Manitoba	32	94	470,018	135,740	35,290	10,147,840	9,976,810
Saskatchewan	124	856	4,811,525	1,294,439	601,153	116,749,859	114,854,267
Alberta	195	2,666	15,630,596	4,327,502	6,978,016	423,220,549	411,915,031
British Columbia	33	297	1,926,387	265,439	437,257	11,167,840	10,465,144
Northwest Territories	1	22	191,087	40,925	68,295	781,680	672,460
Totals	581	4,157	23,647,883	6,160,125	8,343,324	569,567,414	555,063,965

See footnote end of table.

TABLE 2. Principal Statistics of the Crude Petroleum and Natural Gas Industry, 1961 and 1962 - Concluded

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Gross value of production	Net value added by processing ¹
	number				dollars		
1962							
New Brunswick	1	11	35,105	5,240	—	149,987	144,747
Ontario	158	168	562,249	98,238	184,819	7,256,644	6,973,587
Manitoba	36	45	182,288	112,134	32,802	9,539,100	9,394,164
Saskatchewan	121	808	4,483,297	1,725,005	829,131	137,245,986	134,691,850
Alberta	164	2,547	15,430,393	4,498,659	5,046,374	504,984,322	495,439,289
British Columbia	18	388	2,511,103	355,141	1,218,585	30,592,959	29,019,233
Northwest Territories	1	11	71,319	45,419	58,178	802,610	699,013
Totals	499	3,978	23,275,754	6,839,836	7,369,889	690,571,608	676,361,883

¹ Gross value of shipments less cost of fuel, electricity and process supplies.**TABLE 3. Production of Crude Petroleum, by Provinces, 1961 and 1962**

Province	1961		1962	
	Barrels	Value	Barrels	Value
		\$		\$
New Brunswick	12,024	16,833	10,333	14,466
Ontario	1,149,087	3,546,740	1,134,534	3,661,174
Manitoba	4,480,348	10,156,000	3,926,683	9,435,819
Saskatchewan	55,860,104	115,719,791	64,432,411	141,783,520
Alberta	157,811,712	355,530,845	165,124,967	379,830,363
British Columbia	1,017,826	1,859,873	8,914,220	16,872,122
Northwest Territories	516,979	730,160	572,004	755,045
Totals	220,848,080	487,560,242	244,115,152	552,352,509

TABLE 4. Production of Crude Petroleum, 1953 - 62

Year	Barrels	Value	Year	Barrels	Value
		\$			\$
1953	80,898,897	200,582,276	1958	165,496,196	398,747,818
1954	96,080,345	243,877,030	1959	184,778,497	422,092,535
1955	129,440,247	305,640,036	1960	189,534,221	422,926,497
1956	171,981,413	406,561,872	1961	220,848,080	487,560,242
1957	181,848,004	453,593,620	1962	244,115,152	552,352,509

TABLE 5. Production of Crude Petroleum, by Provinces, 1953 - 62

Year	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	barrels of 35 Imperial gallons							
1953	14,738	299,685	653,514	2,797,888	76,816,383	—	316,689	80,898,897
1954	13,046	412,474	2,148,184	5,422,899	87,713,855	—	369,887	96,080,345
1955	12,548	525,510	4,145,756	11,317,168	113,035,046	—	404,219	129,440,247
1956	16,628	593,370	5,786,540	21,077,371	143,909,641	148,454	449,409	171,981,413
1957	19,401	623,666	6,089,743	36,861,089	137,492,316	340,945	420,844	181,848,044
1958	15,189	778,341	5,829,226	44,626,148	113,277,847	512,359	457,086	165,596,196
1959	14,479	1,001,580	5,056,075	47,442,498	129,967,312	866,234	430,319	184,778,497
1960	14,148	1,005,030	4,764,045	51,908,428	130,506,968	867,057	468,545	189,534,221
1961	12,024	1,149,087	4,480,348	55,860,104	157,811,712	1,017,826	516,979	220,848,080
1962	10,333	1,134,534	3,926,683	64,432,411	165,124,967	8,914,220	572,004	244,115,152

TABLE 6. Production of Crude Petroleum, by Months, 1962

Month	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
barrels of 35 Imperial gallons								
January	805	90,921	343,128	5,008,774	16,129,092	420,134	39,141	22,031,995
February	1,081	84,167	304,375	4,728,141	14,590,782	560,080	58,575	20,327,201
March	888	94,946	332,367	5,203,354	15,478,897	685,751	50,022	21,846,225
April	817	89,652	329,581	5,148,600	12,271,202	700,816	52,518	18,593,186
May	923	95,014	338,963	5,226,737	13,573,784	748,722	24,515	20,008,658
June	809	90,652	334,934	5,325,278	11,750,467	621,333	40,491	18,163,964
July	849	90,675	343,871	5,583,483	13,646,639	359,875	41,448	20,066,840
August	862	98,410	336,576	5,640,823	13,849,198	842,354	62,779	20,831,002
September	586	94,121	322,004	5,519,591	13,784,106	885,600	65,108	20,671,116
October	868	108,929	320,941	5,708,491	13,413,678	1,013,872	54,424	20,621,203
November	848	101,178	308,491	5,567,497	12,653,275	1,000,650	39,854	19,671,793
December	997	95,869	311,452	5,771,642	13,983,847	1,075,033	43,129	21,281,969
Totals	10,333	1,134,534	3,926,683	64,432,411	165,124,967	8,914,220	572,004	244,115,152

TABLE 7. Well Output of Crude Petroleum in Alberta, by Fields, 1961 and 1962

Field	1961	1962	Field	1961	1962
barrels			barrels		
Acheson	2,255,059	2,541,976	Pembina	42,738,995	38,041,625
Bonnie Glen	6,343,722	8,714,836	Redwater	15,416,554	17,668,512
Erskine	1,272,820	978,409	Stettler	1,755,254	1,559,554
Fenn-Big Valley	6,111,136	6,000,469	Sturgeon Lake South	3,166,044	2,683,289
Gilby	1,456,869	1,537,429	Sundre	1,247,749	1,334,025
Golden Spike	2,852,353	4,222,917	Swan Hills	8,376,621	11,549,961
Harmattan-Elkton	2,184,331	2,292,967	Turner Valley	1,147,974	1,151,406
Innisfail	2,524,727	2,843,732	Wainwright	604,518	553,383
Joarcam	3,322,581	2,836,722	West Drumheller	1,271,025	1,040,236
Joffre	5,666,283	4,340,171	Wizard Lake	3,469,534	4,594,689
Kaybob	2,409,558	2,482,893	Other areas	27,081,601	33,520,461
Keystone	—	—			
Leduc-Woodbend	15,136,404	12,635,305	Totals, Alberta	157,811,712	165,124,967

TABLE 8. Well Output of Crude Petroleum in Saskatchewan, by Fields, 1961 and 1962

Field	1961	1962	Field	1961	1962
barrels			barrels		
Alameda	896,569	718,819	Nottingham	2,742,165	2,985,880
Alida	1,335,385	1,137,407	Queensdale	1,350,838	1,302,618
Carnduff	1,571,558	1,631,694	Steelman	8,450,279	8,817,125
Coleville-Smiley	2,010,618	1,837,846	Success	1,421,789	1,797,899
Dollard	4,029,599	4,580,944	Weyburn	11,741,155	13,180,600
Fosterton	1,986,983	2,754,444	Other areas	11,877,260	15,632,240
Instow	1,842,969	2,365,138			
Midale	4,602,937	5,689,757	Totals, Saskatchewan....	55,860,104	644,432,411

TABLE 9. Production of Crude Petroleum in Manitoba, by Fields, 1961 and 1962

Field	1961	1962	Field	1961	1962
	barrels			barrels	
Daly	781,347	693,700	Routledge	422,519	358,621
Viriden-Roselea	1,333,986	1,152,610	Tilston	24,742	20,282
North Viriden Scallion	1,538,308	1,343,361	West Butler	8,020	6,488
Ebor	14,107	9,662	West Routledge	175,894	153,354
Kirkella	56,846	50,856	Whitewater	17,719	17,866
Lulu Lake	—	—	Woodnorth	30,688	23,870
Maples	30,325	23,225	Other areas	22,075	49,618
Pierson	23,772	23,170	Totals, Manitoba	4,480,348	3,926,683

TABLE 10. Production of Crude Petroleum in Ontario, by Fields, 1962

County	Field or pool	Township	Producing formation	1962
				barrels
Brant-Oxford	Gobles	Burford and Blenheim	Cambrian	143,321
Elgin	Crinan	Aldborough	Salina	173
	Rodney	Aldborough	Columbus	252,785
	Wallacetown	Dunwich	Columbus	1,547
Essex	Colchester	Colchester S.	Trenton	66,324
	Kingsville	Gosfield S.	Trenton	646
	Malden	Malden	Trenton	25,305
	Malden 25	Malden	Trenton	802
Kent	Bothwell-Thamesville	Camden-Zone	Dundee-Columbus	9,583
	Chatham	Chatham	Guelph	5,338
	Clearville	Orford	Cambrian	99,124
	Dover	Dover	Trenton	50
	Dresden	Camden-Chatham	Guelph	2,267
Lambton	Becher	Sombra	Salina	47,764
	Colinville	Moore	Salina-Guelph	7,999
	Corunna	Moore	Salina-Guelph	91,564
	Dante	Euphemia	Dundee	267
	Dawn	Dawn	Guelph	21,324
	Kimball	Moore	Salina	2,141
	Oil Springs	Enniskillen	Dundee-Detroit River	53,694
	Petrolia	Enniskillen	Dundee-Detroit River	27,238
	Seckerton	Moore	Guelph	46,861
	Seckerton North	Moore	Guelph	45,855
	Shetland (Dev.)	Euphemia	Dundee	2,497
	Shetland (Sil.)	Euphemia	Guelph	60
	Sombra	Sombra	Guelph	100
	Talford	Moore	Guelph	1,180
	Wanstead	Brooke-Enniskillen	Guelph	38,718
	Warwick	Warwick	Guelph	62,743
Middlesex	Glencoe	Mosa	Dundee-Columbus	36,762
	Grand Bend	McGillivray-Stephen	Guelph	40,058
	Kerwood	Metcalfe	Dundee-Detroit River	444
Total, Ontario				1,134,534

TABLE 11. Imports of Petroleum, Asphalt and their Products, 1961 and 1962

Item	1961		1962	
	Quantity	Value	Quantity	Value
		\$		\$
Asphaltum of asphalt, solid or not cwt.	633,681	887,667	344,898	778,047
Asphalt oil for paving gal.	1,224,261	128,361	1,384,161	182,054
Oil, imported by miners or mining companies, for the concentration of ores or metals	246,393	396,028	208,881	333,125
Crude petroleum for refining, .8155 specific gravity (42.0 A.P.I.) or heavier at 60°F bbl.	133,249,113	291,169,754	134,517,707	304,898,462
Petroleum tops: blends of petroleum tops or petroleum products with crude petroleum: all the foregoing .7249 specific gravity (63.7 A.P.I.) or heavier at 60° F, when imported by oil refiners to be refined	—	—	—	—
Fuel oil, ex-warehoused, for ships' stores gal.	604,232	49,584	304,652	26,626
Aviation gasoline "	36,511,360	6,334,064	23,923,384	4,179,275
Kerosene lighter than .8236 specific gravity at 60° F, n.o.p. "	9,207,679	870,019	9,557,083	1,017,101
Engine distillate, .8017 specific gravity or heavier at 60° F "	678	158	7,901	2,566
Gasoline, lighter than .8236 specific gravity at 60° F "	25,773,714	3,929,003	27,612,744	3,798,438
Natural casinghead, compression or absorption gasoline, lighter than .6690 specific gravity (80.0 A.P.I.) at 60° F, when imported by refiners of crude petroleum for blending with gasoline wholly produced in Canada	—	—	—	—
Lubricating oils, composed wholly or in part of petroleum and costing less than 25 cents per gallon gal.	11,636,791	2,564,885	9,405,524	2,092,144
Lubrication oils, 25 cents and over "	26,804,447	10,859,052	28,235,344	12,266,626
Oils, mineral, n.o.p. "	1,559,599	1,411,345	1,085,673	1,325,930
Stove oil, No. 1 fuel oil "	87,529,567	9,774,582	77,057,391	8,458,549
Light fuel oils, Nos. 2 and 3 "	257,689,232	23,411,345	196,778,411	17,315,473
Heavy fuel oils, Nos. 4, 5 and 6 "	366,547,887	18,898,219	472,636,862	24,533,618
Diesel fuel "	83,447,644	7,655,482	95,623,273	8,807,356
Tractor fuel "	—	—	—	—
Petroleum greases and lubricating greases, n.o.p. lb.	15,480,386	2,254,684	15,554,053	2,504,380
Refined petroleum jellies and oils for toilet, medicinal, edible or similar purposes.....	...	879,309	...	950,404
Paraffin wax lb.	41,178,564	2,680,854	38,092,324	2,596,158
Candles "	851,694	295,701	1,010,700	351,481
Products of petroleum, n.o.p. gal.	35,712,905	6,502,869	34,731,894	6,185,547
Liquefied petroleum gases "	3,431,536	813,382	2,950,992	676,708
Naphtha, including solvent naphtha "	8,474,602	1,968,655	13,054,695	3,511,121

TABLE 12. Exports of Petroleum and its Products, 1961 and 1962

Item	1961		1962	
	Quantity	Value	Quantity	Value
		\$		\$
Petroleum, crude bbl.	65,222,523	154,266,752	91,580,232	232,496,608
Gasoline gal.	19,955,043	2,442,967	33,756,083	3,711,285
Fuel oil Nos. 1, 2 and 3 "	7,168,929	923,950	10,968,909	1,355,029
Fuel oil Nos. 4, 5 and 6 "	25,565,845	1,790,136	57,615,411	3,664,518
Fuel oil n.e.s. "	3,802,816	457,324	3,518,868	453,545
Lubricating oils and greases "	70,057	78,689	1,158,677	390,872
Petroleum and coal products, n.e.s. "	..	1,606,952	..	4,179,762

TABLE 13. Canadian Crude Petroleum Supply, 1948 -62

Year	Canadian production	Imports	Exports ¹	Apparent supply
barrels of 35 Imperial gallons				
1948	12,286,660	77,633,674	—	89,920,334
1949	21,305,348	75,680,992	—	96,986,340
1950	29,043,788	80,124,402	—	109,168,190
1951	47,615,534	84,237,399	341,780	131,511,153
1952	61,237,322	82,751,160	1,424,456	142,564,026
1953	80,898,897	81,627,460	2,507,314	160,019,043
1954	96,080,345	78,883,670	2,344,948	172,619,067
1955	129,440,247	86,792,460	14,833,971	201,398,736
1956	171,981,413	106,641,358	42,908,086	235,714,685
1957	181,848,004	111,905,473	55,674,229	238,079,248
1958	165,496,196	104,038,800	31,679,333	237,855,663
1959	184,778,497	115,288,643	33,362,234	266,704,906
1960	189,534,221	125,559,631	42,234,937	272,858,915
1961	220,848,080	133,249,113	65,222,523	288,874,670
1962	244,115,152	134,517,707	91,580,232	287,052,627

¹ Exports were comparatively small prior to 1951 and may be neglected.

TABLE 14. Receipts of Crude Petroleum by Canadian Refineries, 1958 -62

Year	Maritimes and Quebec	Ontario	Manitoba	Saskatchewan	Alberta and Northwest Territories	British Columbia and Yukon	Canada
barrels							
1958:							
Canadian	—	60,329,816	9,237,004	17,255,153	26,407,477	21,284,548	134,513,998
Imported	103,383,037	4,061,704	—	—	—	—	107,444,741
Totals	103,383,037	64,391,520	9,237,004	17,255,153	26,407,477	21,284,548	241,958,739
1959:							
Canadian	—	72,429,969	8,083,446	18,994,498	28,700,552	23,299,309	151,507,774
Imported	113,957,240	2,385,030	—	—	—	—	116,342,270
Totals	113,957,240	74,814,999	8,083,446	18,994,498	28,700,552	23,299,309	267,850,044
1960:							
Canadian	—	72,100,463	11,288,256	18,302,204	23,511,440	24,057,382	149,259,745
Imported	123,173,075	3,651,133	—	—	—	—	126,824,208
Totals	123,173,075	75,751,596	11,288,256	18,302,204	23,511,440	24,057,382	276,083,953
1961:							
Canadian	—	80,551,174	11,697,366	17,545,417	22,832,717	24,555,589	157,182,263
Imported	130,851,460	2,374,288	—	—	—	—	133,225,748
Totals	130,851,460	82,925,462	11,697,366	17,545,417	22,832,717	24,555,589	290,408,011
1962:							
Canadian	—	84,729,390	12,373,085	19,905,972	28,470,332	28,127,817	173,606,596
Imported	134,836,983	527,838	—	—	—	—	135,364,821
Totals	134,836,983	85,257,228	12,373,085	19,905,972	28,470,332	28,127,817	308,971,417

TABLE 15. World Crude Oil Production,¹ 1960-62

	1960	1961	1962
	thousands of barrels		
North America:			
Canada	189,534	220,861	244,139
Cuba ²	108 ³	80 ³	90
Mexico	99,049	106,784	111,830
Trinidad	42,357	45,768	48,877
United States	2,574,933	2,621,758	2,676,185
Totals	2,905,981	2,995,251	3,081,121
South America:			
Argentina	64,232	84,418	98,154
Bolivia	3,574	2,989	2,911
Brazil	29,613	34,815	33,401
Chile	7,231	9,263	11,690
Columbia	55,770	53,247	51,918
Ecuador	2,730	2,926	2,573
Peru	19,255	19,371	21,134
Venezuela	1,041,708	1,065,790	1,167,954
Totals	1,224,113	1,272,819	1,389,735
Europe:			
Albania	4,857	4,337	4,937
Austria	16,874	16,237	16,694
Bulgaria	1,460	1,510	1,460
Czechoslovakia	929	1,045	1,150
France	14,233	15,578	17,071
Germany, West	40,076	44,968	48,946
Hungary	9,270	11,102	12,208
Italy (including Sicily)	13,613	13,434	12,308
Netherlands	13,378	14,271	14,742
Poland	1,442	1,503	1,502
Rumania	85,712	86,321	88,420
U.S.S.R. ⁴	1,079,371	1,212,300	1,357,800
United Kingdom	649	810	820
Yugoslavia	6,671	9,479	10,785
Totals	1,288,535	1,432,895	1,588,843
Africa:			
Algeria ⁵	67,613	121,494	158,094
Angola	477	757	3,404
Congo, Republic of	365	724	926
Gabon Republic	5,626	5,446	5,992
Libya	—	6,642	67,052
Morocco, Southern Zone	695	603	968
Nigeria	6,552	16,802	24,624
Senegal	12	16	3
United Arab Republic (Egypt Region)	23,968	26,129	32,321
Totals	105,308	178,613	293,384
Asia:			
Bahrain	16,500	16,444	16,446
Burma	4,078	4,194	4,366
China	24,959 ³	48,743 ¹	51,100
India	3,370	3,356	7,337
Indonesia	152,988	155,369	167,771
Iran	385,748	431,653	481,939
Iraq	353,833	365,594	366,832
Israel	932	1,133	1,126
Japan	3,678	4,590	5,316
Kuwait	594,278	600,226	669,284
Kuwait - Neutral Zone	49,829	65,153	89,047
Pakistan	2,636	2,829	3,338
Qatar	63,088	64,386	67,911
Sarawak and Brunei	34,005	30,551	28,286
Saudi Arabia	456,453	508,269	555,056
Taiwan (Formosa)	14	17	14
Trucial States	—	—	5,551
Turkey	2,624	3,075	4,157
Totals⁴	2,149,013	2,305,582	2,524,877

See footnotes at end of table.

TABLE 15. World Crude Oil Production,¹ 1960-62 — Concluded

	1960	1961	1962
	thousands of barrels		
Oceania:			
New Zealand	5 ³	4	4
Netherlands New Guinea	1,538	1,082	917
Totals	1,543	1,086	921
World totals	7,674,493	8,186,246	8,878,881

¹ This table incorporates some revisions.² Natural naphtha and gas oil.³ Estimate.⁴ U.S.S.R. in Asia (including Sakhalin) included with U.S.S.R. in Europe.⁵ Including Sahara.

TABLE 16. Production of Natural Gas, 1953-62

Year	Quantity	Value	Year	Quantity	Value
	M cu. ft.	\$		M cu. ft.	\$
1953	100,985,923	10,877,017	1958	337,803,726	32,057,536
1954	120,735,214	12,482,109	1959	417,334,527	39,609,393
1955	150,772,312	15,098,508	1960	522,972,327	52,196,882
1956	169,152,586	16,849,556	1961	655,737,644	68,421,918
1957	220,006,682	20,962,501	1962	946,702,727	108,641,159

TABLE 17. Production of Natural Gas, by Provinces, 1953-62

Year	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Northwest Territories	Canada
	M cubic feet						
1953	177,112	9,708,969	1,422,128	89,651,605	—	26,109	100,985,923
1954	183,457	10,015,818	3,333,077	107,173,777	—	29,085	120,735,214
1955	186,549	10,852,857	6,706,743	133,007,493	—	18,670	150,772,312
1956	190,322	12,811,618	9,807,697	146,133,893	187,846	21,210	169,152,586
1957	176,417	14,400,913	13,994,347	183,140,820	8,274,942	19,243	220,006,682
1958	123,957	16,147,986	18,819,795	239,049,591	63,638,297	24,100	337,803,726
1959	117,502	16,839,236	33,612,966	297,568,926	69,128,708	67,189	417,334,527
1960	98,701	16,987,056	36,571,633	383,682,986	85,592,166	39,785	522,972,327
1961	96,318	14,544,165	37,192,595	500,843,900	103,018,988	41,678	655,737,644
1962	95,750	15,648,294	38,845,732	770,963,122	121,093,122	56,707	946,702,727

TABLE 18. Production¹ of Natural Gas, by Provinces, 1961 and 1962

Province	1961		1962	
	Quantity	Value	Quantity	Value
	M cu. ft.	\$	M cu. ft.	\$
New Brunswick	96,318	143,215	95,750	134,476
Ontario	14,544,165	5,614,048	15,648,294	5,802,387
Saskatchewan	37,192,595	4,050,274	38,845,732	2,295,783
Alberta	500,843,900	48,882,365	770,963,122	88,660,759
British Columbia	103,018,988	9,714,690	121,093,122	11,724,236
Northwest Territories	41,678	17,326	56,707	23,518
Totals	655,737,644	68,421,918	946,702,727	108,641,159

¹ Sold and used by producers.

TABLE 19. Production¹ of Natural Gas, by Months and by Provinces, 1962

Month	New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Canada ²
	M cu. ft.					
January	6,837	2,319,732	3,982,830	68,289,155	10,710,190	85,314,599
February	9,427	2,140,124	3,493,582	66,876,023	10,338,216	82,864,677
March	8,323	1,966,108	3,521,817	67,109,255	11,539,212	84,151,375
April	8,432	1,234,963	3,132,048	59,052,762	9,507,126	72,941,856
May	8,218	754,349	2,835,136	59,233,196	9,880,838	72,717,573
June	7,188	580,020	2,647,161	56,677,049	8,122,437	68,036,230
July	7,409	439,542	2,613,187	57,861,957	8,392,572	69,318,357
August	6,650	587,518	2,837,979	59,504,138	9,029,075	71,971,184
September	7,101	800,252	2,712,036	61,495,630	9,436,797	74,454,154
October	7,849	1,180,053	3,264,440	66,954,545	11,258,931	82,667,911
November	8,161	1,729,342	3,504,434	69,493,822	10,796,922	85,534,912
December	10,155	1,916,291	4,301,082	78,415,590	12,080,806	96,729,899
Totals	95,750	15,648,294	38,845,732	770,963,122	121,093,122	946,702,727

¹ Sales and consumption by producers.² Includes 56,707 M cu. ft. in the Northwest Territories.

TABLE 20. Production of Natural Gas in Ontario, by Fields, 1962

County	Field	Producing formation	1962
			M cu. ft.
Brant	Tuscarora	Thorold	482,871
Elgin	Cowal	Salina Guelph	17,637
	Richmond Eden and Vienna	Clinton Whirlpool	37,123
	Townline and Woodgreen...	Salina	57,423
Essex	Staples	Guelph	5,821
	Kingsville	Guelph	15,634
	Leamington	Guelph	1,701
Halton	Acton	Gull River	40,930
Haldimand	Haldimand	Clinton, Grimsby Whirlpool	795,321
Lincoln			
Wentworth			
Kent	Guilds	Salina	28,976
	Dresden	Guelph	121,192
	Camden Gore	Salina	19,486
	Chatham	Salina Guelph	145,313
	Declute	Salina Guelph	659,237
	Dover	Trenton	65,487
	Wolfe	Salina	2,306
	Morpeth-Lake Erie	Salina	242,772
	Tilbury	Salina Guelph	1,837,485
	Zone	Salina Guelph	82,602
	Lake St. Clair	Guelph	11,413
Lambton	East Becher	Guelph	41,488
	West Becher	Salina Guelph	435,702
	Bickford	Salina Guelph	2,437,956
	Colinville-Kimball	Salina Guelph	993,150
	Corunna	Salina Guelph	284,451
	Dawn, miscellaneous	Salina Guelph	78,628
	Dawn 156	Salina Guelph	3,057,433
	Mandaumin	Guelph	234,355
	Seckerton	Salina Guelph	1,071,551
	Sombra	Guelph	136,478
	Wardsville	Salina Guelph	133,858
Middlesex	Norfolk	Irondequoit and Grimsby ...	1,352,704
Oxford	Norwich South and Gobles	Irondequoit and Eau Claire	255,948
Welland	Welland	Grimsby Whirlpool and Irondequoit	276,746
Huron	Bayfield, Dashwood and Zurich	Guelph	187,116
Total, Ontario			15,648,294

TABLE 21. Natural Gas Pipe Line Mileage of the Gas Utilities and the Gas Pipe Line Transport Industries,¹ by Province, as at December 31, 1957 - 62

	1957	1958	1959	1960 ²	1961 ²	1962
	miles					
Gathering:						
New Brunswick	10.6	10.6	10.6	6.5	6.4	6.4
Quebec	—	—	—	—	—	—
Ontario	941.2	940.4	955.4	909.5	1,313.9	1,314.6
Manitoba	—	—	—	—	—	—
Saskatchewan	91.8	269.2	278.2	286.3	274.5	297.5
Alberta	972.0	1,675.9	1,857.6	2,067.6	2,439.5 ^r	2,540.0
British Columbia	120.5	212.5	337.5	410.4	429.4	409.1
Totals	2,136.1	3,108.6	3,439.3	3,680.3	4,463.7^r	4,567.6
Transmission:						
New Brunswick	11.4	11.4	11.4	13.4	13.4	13.4
Quebec	26.5	26.5	25.0	25.0	25.0	25.0
Ontario	2,519.6	3,466.1	3,528.6	3,565.9	3,135.0	3,140.7
Manitoba	354.0	375.0	391.3	444.0	456.9	496.0
Saskatchewan	1,093.2	1,395.2	1,782.9	2,102.5	2,274.3	2,566.0
Alberta	2,127.3	2,581.2	3,094.5	3,452.5	4,087.5	4,293.1
British Columbia	1,101.6	1,101.7	1,103.5	1,112.3	1,224.7	1,310.4
Totals	7,233.6	8,957.1	9,937.2	10,715.6	11,216.8	11,844.6
Distribution:						
New Brunswick	65.4	65.4	65.4	32.1	32.3	32.3
Quebec	962.5	971.1	1,027.4	1,115.1	1,123.6	1,143.9
Ontario	5,769.9	8,094.9	9,144.3	9,528.8	10,183.9	10,864.9
Manitoba	433.0	509.8	690.3	833.8	853.6	946.5
Saskatchewan	879.3	946.7	1,060.0	1,205.3	1,272.8	1,425.0
Alberta	2,075.0	2,201.9	2,455.0	2,675.6	2,895.7	3,099.6
British Columbia	1,902.1	2,379.9	2,709.3	3,028.3	3,182.8	3,427.5
Totals	12,087.2	15,169.7	17,151.7	18,419.0	19,544.7	20,939.7
Grand totals	21,456.9	27,235.4	30,528.2	32,814.9	35,225.2^r	37,351.9

¹ Includes pipe line mileage of producing companies.² Breakdown of pipeline mileage is not precisely comparable with previous years because of reclassification and surveys.

Source: "Gas Utilities"—Catalogue No. 57-205.

TABLE 22. Sales¹ of Manufactured and Natural Gas, 1961 and 1962

	1961			1962		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas: ²						
Domestic (including house heating) .....	..	..	..	..	..	..
Industrial .....	..	..	..	..	..	..
Commercial .....	..	..	..	..	..	..
Miscellaneous .....	..	..	..	..	..	..
Totals	7,258	1,979,777	1,181,508	6,926	1,602,105	1,140,648
Natural gas: ³						
Domestic	1,174,966 ^r	119,667,024 ^r	121,473,449 ^r	1,249,237	134,919,118	138,439,174
Industrial	8,157 ^r	194,802,740 ^r	65,087,879 ^r	9,235	213,467,798	73,656,938
Commercial	100,490 ^r	56,269,778 ^r	40,117,166 ^r	108,015	63,674,593	45,563,568
Miscellaneous	—	—	—	—	—	—
Totals	1,283,613^r	370,739,542^r	226,678,494^r	1,366,487	412,061,509	257,659,680
Totals, all gas	1,290,871^r	372,719,319^r	227,860,002^r	1,373,413	413,663,614	258,800,328

¹ Sales by distributing companies to final consumers; amounts used by producers are not included.² At 14.73 pounds per square inch absolute 60° F. and 500 B.T.U.³ At 14.73 per square inch absolute 60° F. and 1000 B.T.U.

TABLE 23. Sales¹ of Natural Gas, by Areas, 1962

	Domestic (including house heating)	Industrial	Commercial	Total
	M cu. ft.			
New Brunswick	74, 250	—	14, 192	88, 442
Quebec	6, 294, 997	15, 048, 584	1, 794, 273	23, 137, 854
Ontario	55, 252, 759	74, 941, 582	18, 888, 078	149, 082, 419
Manitoba	8, 058, 515	5, 871, 550	4, 609, 198	18, 539, 263
Saskatchewan	13, 521, 295	18, 328, 007	6, 166, 065	38, 015, 367
Alberta	39, 509, 933	83, 248, 619	28, 155, 602	150, 914, 154
British Columbia	12, 207, 369	16, 029, 456	4, 047, 185	32, 284, 010
Totals	134, 919, 118	213, 467, 798	63, 674, 593	412, 061, 509

¹ Data is subject to revision.

TABLE 24. Employees and their Earnings in the Crude Petroleum and Natural Gas Industry, 1961 and 1962

	Employees					Earnings		
	Office and administration		Workmen		Total	Office and adminis- tration	Workmen	Total
	Male	Female	Male	Female				
1961	number					dollars		
New Brunswick	—	—	12	—	12	—	40,666	40,666
Ontario	17	14	179	—	210	88,642	488,962	577,604
Manitoba	18	2	74	—	94	112,673	357,345	470,018
Saskatchewan	277	50	526	3	856	2,109,948	2,701,577	4,811,525
Alberta	457	102	2,096	11	2,666	3,856,694	11,773,902	15,630,596
British Columbia	116	7	174	—	297	838,092	1,088,295	1,926,387
Northwest Territories	1	—	21	—	22	11,081	180,006	191,087
Totals	886	175	3,082	14	4,157	7,017,130	16,630,753	23,647,883
1962								
New Brunswick	—	—	11	—	11	—	35,105	35,105
Ontario	15	10	143	—	168	96,569	465,680	562,249
Manitoba	8	—	37	—	45	19,151	163,137	182,288
Saskatchewan	243	45	518	2	808	1,850,419	2,632,878	4,483,297
Alberta	426	95	2,001	25	2,547	3,567,137	11,863,256	15,430,393
British Columbia	151	22	215	—	388	1,206,261	1,304,842	2,511,103
Northwest Territories	2	—	9	—	11	16,434	54,885	71,319
Totals	845	172	2,934	27	3,978	6,755,971	16,519,783	23,275,754

TABLE 25. Employees and their Earnings in the Crude Petroleum and Natural Gas Industry, 1957-62

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number					dollars			
1957	1, 427	282	3, 807	78	5, 594	13, 856, 441	8, 928, 601	18, 450, 100	27, 378, 701
1958	1, 377	250	3, 240	43	4, 910	11, 886, 282	9, 139, 262	15, 092, 348	24, 231, 610
1959	1, 132	236	3, 352	45	4, 765	10, 394, 910	8, 693, 206	16, 813, 710	25, 506, 916
1960	1, 059	187	3, 068	35	4, 349	9, 306, 232	7, 899, 741	15, 677, 012	23, 576, 753
1961	886	175	3, 082	14	4, 157	9, 008, 189	7, 017, 130	16, 630, 753	23, 647, 883
1962	845	172	2, 934	27	3, 978	8, 591, 062	6, 755, 971	16, 519, 783	23, 275, 754

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 26. Workmen, by Months, in the Crude Petroleum and Natural Gas Industry, 1961 and 1962
Number on pay-roll on the last work-day of each month

Month	1961			1962		
	Male	Female	Total	Male	Female	Total
January	3, 176	10	3, 186	2, 933	31	2, 964
February	3, 183	11	3, 194	2, 899	25	2, 924
March.....	3, 154	12	3, 166	2, 895	26	2, 921
April	3, 045	13	3, 058	2, 895	26	2, 921
May	3, 062	13	3, 075	2, 940	25	2, 965
June.....	3, 080	14	3, 094	2, 977	26	3, 003
July	3, 088	14	3, 102	2, 971	30	3, 001
August.....	3, 046	13	3, 059	2, 942	31	2, 973
September	2, 975	14	2, 989	2, 889	27	2, 916
October	2, 927	13	2, 940	2, 875	26	2, 901
November	2, 962	13	2, 975	2, 886	28	2, 914
December	3, 011	14	3, 025	2, 884	28	2, 912
Averages.....	3, 082	14	3, 096	2, 934	27	2, 961
<i>Total man-hours worked</i>			<i>6, 710, 512</i>			<i>6, 380, 874</i>

TABLE 27. Fuel and Electricity Used in the Crude Petroleum and Natural Gas Industry, 1962

Kind		Quantity	Cost at plant
			\$
Bituminous coal (a) From Canadian mines		—	—
(b) Imported.....		—	—
Sub-bituminous coal (from Alberta mines only).....		—	—
Anthracite coal		—	—
Lignite coal		—	—
Coke (for fuel only).....	short ton	1	30
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal.	6,454,100	2,482,329
Kerosene or coal oil	"	2,008	643
Fuel oil	"	1,402,897	270,006
Wood (cords of 128 cubic feet of piled wood)		—	—
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal.	619,665	117,478
(b) Other manufactured gas		—	—
(c) Natural gas.....	M cu. ft.	1,241,930	97,706
Other fuel		—	—
Electricity purchased for power and lighting	kwh.	152,895,423	3,871,644
Electricity purchased for other purposes.....		—	—
Total .....		...	6,839,836
Electricity generated (a) For own use	kwh.	1,100,000	...
(b) For sale		—	—

Directory of Firms Producing Crude Petroleum and Natural Gas, 1962

Name	Address	Location of field
New Brunswick:		
New Brunswick Oilfields Ltd.	Moncton	Stoney Creek
Ontario:		
A. & C. Gas Syndicate	Ridgeway	Bertie
Albino Gas Ltd.	85 Richmond St. W., Toronto	Welland
Albot Gas & Oil Ltd.	111 Richmond St. W., Toronto	Aldborough
Allegany Producing Corporation	313 N. Main St., Wellsville, New York, U.S.A.	Glencoe
Anchor Petroleum Ltd.	372 Bay St., Toronto	Mosa
Annett, S.C.	Bothwell	Euphemia
Anthony Gas & Oil Explorations Ltd.	Acton	Speyside
Arno Mines Ltd.	62 Richmond St. W., Toronto	Dunn
Atkinson, J.	Petrolia	Petrolia
Beacon Syndicate	102 E. Campus Drive, Snyder, N.Y., U.S.A.	Humberstone
Benner, K.W.	Fisherville	Rainham and Walpole
Bertie Oil & Gas Ltd.	100 Adelaide St. W., Toronto	Bertie
Big Seven Gas Syndicate	Fisherville	Rainham
Bluewater Oil & Gas Ltd.	736 -8th Ave S. W., Calgary, Alberta	Various
Bolivar Gas Company Ltd.	300 Main St. Bolivar, New York, U.S.A.	Walsingham Northand South
Booth, Anna	R.R. 2. Niagara Falls	Willoughby and Bertie
Bradley, M.	Petrolia	Petrolia
Brae, Ben Company Ltd.	51 Claremont Drive, Hamilton	Dunn
Brennan, R.J.	101 Main St., Bradford, Pa. U.S.A.	Petrolia
Buck, C.S. Estate	London	Port Rowan
Byers Bros.	Oil Springs	Enniskillen
Byers, Irving	Oil Springs	Enniskillen
Camerina Petroleum Corporation	1711 First City National Bank Bldg., Houston 2, Texas U.S.A.	D'Clute
Canada-Cities Service Petroleum Corporation	801 South West St., Olney, Illinois, U.S.A.	Rodney
Caughell Bros.	Dunnville	Dunnville
Colborne Natural Gas Syndicate	Stevensville	Bertie
Cole, W.J.	Petrolia	Petrolia
Colonial Petroleum Ltd.	Chatham	Dawn
Comfort, N.	102 Inshes Ave., Chatham	Tunks and Duphette
Consolidated West Petroleum Ltd.	120 Eglinton Ave. E., Toronto 12	Tilbury and Malden
Copeland, Russell	Petrolia	Petrolia
Coronation Gas Syndicate	Stevensville	Bertie
Crowland Gas Ltd.	Box 100, Fort Erie	Welland
D. & M. Syndicate	Fort Erie	Bertie
Daubaris, F.	Dunnville	Dunn
Dawson, R.	Merlin	Tilbury East
Deanna Lee Gas Syndicate	Iroquois	Bertie
Dell-Burn Gas Ltd.	Fort Erie	Welland
De Mers, Victor E.	Petrolia	Oil Springs and Petrolia
Dickout Bros.	Lowbanks	Moulton
Donald, A. & K.	Oil Springs	Oil Springs
Donald, R.	Petrolia	Petrolia
Donalga Company	Simcoe	Langton
Edmund Gas Syndicate	Port Colborne	Humberstone
Ehde, Arthur L.	Lowbanks	Moulton
Elgin Petroleum Corp. Ltd.	25 Adelaide St. W., Toronto	Rodney
Fendrich, L. & G. Mozer	Tillsonburg	Charlotteville
Fisherville Gas Syndicate	Fisherville	Rainham
Fleet Manufacturing Ltd. ¹	Fort Erie	Bertie
Fletcher, Eva	Glanford Station	Binbrook
Flood Oils Ltd.	870 Lakeshore Rd., Sarnia	Oil Springs
Foreign Exploration Corp. Ltd.	121 Richmond St. W., Toronto	Long Point Bay
George, A.	Fort Erie	Bertie
Glenard Ltd.	Dunnville	Norfolk
Godby, W.M.	Tillsonburg	Longton
Grand River Gas Ltd.	Canfield	Cayuga North
Greenacres Syndicate	102 E. Campus Drive, Snyder 26, New York	Welland
Grimsby Natural Gas Co. Ltd. ¹	Grimsby	Caistor
Gurnell, N. & M.	Stevensville	Humberstone
Haldimand Gas & Oil Wells Ltd. ¹	Cayuga	Various
Haldimand Natural Gas Syndicate	Stevensville	Bertie
Hallborg, L.	Port Colborne	Humberstone
Heise & Marton Gas Syndicate	114 Church St., Welland	Welland
Hercules Gas Syndicate	368 Ridge St., Ridgeway	Moulton
Highbank Oil Limited	Box 638, Chatham	Raleigh
Holmes, E.B.	Bothwell	Bothwell
Imperial Oil Ltd.	Box 4029 Terminal A. Toronto	Various
J.V.T. Natural Gas Syndicate	102 East Campus Drive, Snyder, New York, U.S.A.	Willoughby
Jackson, P.L.	211 George St., Dunnville	Various
Jarvis Hereford Farms	Jarvis	Walpole
Jewell & Morningstar	Oil Springs	Enniskillen
Kells, Ernest E.	Petrolia	Enniskillen
Keradec Petroleum Ltd.	80 King St. W., Toronto 1	Chatham and Camden Gore
Kerr, J. & J. Co. Ltd.	Petrolia	Enniskillen
Kinsey, O. & L. Estate	Dunnville	Haldimand
Lapp Estate	Niagara Falls	Bertie
Lapp & Arendt	Stevensville	Stevensville
Lejeune, Louis F.	Fort Erie	Bertie
Lewis, Clifton B.	3816 Slattery Rd., Lun, Michigan, U.S.A.	Petrolia
Lewis, W.G.	Oil Springs	Enniskillen
Lincoln Natural Gas Ltd.	Dunnville	Welland
Linda Lee Syndicate	Ridgeway	Bertie, Willoughby and Crowland
Long Point Gas & Oil Ltd.	357 Bay St., Toronto	Norfolk, Haldimand and Rainham
Lowbanks Gas Co. Ltd.	Dunnville	Haldimand
M. & E. Enterprises	Welland	Welland
M.M. & T. Syndicate	102 E. Campus Drive, Snyder 26, New York U.S.A.	Welland
MacAnn Wall Prospecting Syndicate	1450 Broadway, Buffalo, N.Y., U.S.A.	Bertie
MacIntyre & Hawkins	26 Wintemute, Fort Erie	Humberstone

¹ These firms are classified to other industries.

Directory of Firms Producing Crude Petroleum and Natural Gas, 1962 — Continued

Name	Address	Location of field
Ontario—Concluded:		
Maguire, J.	Clifford	Walpole and Woodhouse
Marcus, Louis A.	Wallacetown	Dunwich
McGaffey, Braun & Braun	Box 55, Bothwell	Euphemia
McMaster, R. & Sons Co. Ltd.	Caledonia	Gobels
McPherson, Ross Lionel Drilling Ltd.	88 Thompson Blvd., Riverside	Harwich
Meyers, Paul	397 Niagara Blvd., Fort Erie	Willoughby
Mile 18 Mines Ltd.	62 Richmond St. W., Toronto 1	Haldimand
Mitchell, Charles	Oil Springs	Oil Springs
Monte Natural Gas Syndicate	102 East Campus Drive, Snyder 26, New York, U.S.A.	Welland
Morningstar, George	Oil Springs	Enniskillen
Morningstar, L.	Oil Springs	Oil Springs
Morningstar, R.	Ridgeway	Ridgeway
Morrison, Doris E.	Langton	Walsingham North
Mulgrave Gas Syndicate	Stevensville	Bertie
Murdoch, Watson W.	R.R. 9 Dunnville	Dunn
N.Y.K. Oil (Canada) Ltd.	Sarnia	Euphemia
Neff, R.	Sherkston	Humberstone
Newport Gas Syndicate	Fort Erie	Wainfleet
Niece, Elmond	Dunnville	Sherbrooke
Niece, Bros.	Lowbanks	Sherbrooke
Nigh, C.	Stevensville	Willoughby
North Shore Gas Co.	Fisherville	Rainham
Noyes, L.A., Estate	Stevensville	Willoughby
Nycan Gas Co.	100 Webster St. N., Tonawanda N.Y., U.S.A.	Middleton
Ort, C.H.	Chippawa	Chippawa
Pal Oil & Gas Co. Ltd.	St. Thomas	Aldborough
Palco, John & Marr, Earl	Wainfleet	Wainfleet
Pegg Enterprises Ltd.	Morpeth	Morpeth
Pegg Enterprises Ltd. for Bradford Oil & Gas Co.	Morpeth	Morpeth
Petrol Oil & Gas Co. Ltd.	703-5th St. S. W., Calgary, Alberta	Oneida and Tuscarora
Place Gas & Oil Co. Ltd.	80 Richmond St. W., Toronto 1	Various
Pope, W.	Bothwell	Various
Provincial Gas Company Limited ¹	26 Jarvis St., Fort Erie	Welland and Lincoln
Putman, S.J.	Kingsville	Kingsville
Queenston Gas & Oil Co. Ltd.	Fort Erie	Walsingham
R.V.R. Gas Syndicate	Ridgeway	Bertie
Rae, Robert	1678 Kister Rd., Niagara Falls	Humberston
Reid, E.	Petrolia	Petrolia
Richmont Developments Ltd.	368 Ridge St., Ridgeway	Bertie and Humberstone
Riddell-Hanna Explorations Ltd.	139 Eason Ave., Highland Park 3, Mich., U.S.A.	Chatham
Roberts, Carl	Box 312, Coudersport, Penn., U.S.A.	Norfolk
Robinson Road Gas Syndicate	Dunnville	Moulton
Roth, Roth & Riggan Ltd.	Petrolia	Rodney
Roth & Roth Ltd.	Petrolia	Various
Roth, Frank Estate	Ridgeway	Bertie & Humberstone
Round, Josephine	Fort Erie	Bertie
Royal Gas Syndicate	Stevensville	Bertie
Ruegg Gas	Ridgeway	Ridgeway
Sherk, Bert Estate	Stevensville	Bertie
Sherkston Gas Syndicate	Sherkston	Humberstone and Bertie
Sider, A. & J.	Stevensville	Bertie and Humberstone
Sider, Norman	Sherkston	Bertie and Humberstone
Simon, B.	367 Ellicott St., Buffalo, N.Y., U.S.A.	Chippawa
Sodom, L. & A. Syndicate	Ridgeway	Willoughby
Steele, K.	Port Colborne	Humberstone
Stevensville Natural Gas & Fuel Co.	Stevensville	Bertie
T.H. & G. Syndicate	Ridgeway	Bertie
Thompson, Arnold	Petrolia	Enniskillen
Tri-County Gas & Oil Co. Ltd.	601 Huron & Erie Bldg., London	Norwich South
Triform Explorations Ltd.	100 Adelaide St. W., Toronto 1	Haldimand and Welland
Trio Gas Company	Dunnville	Cangoro
Tunks, James	Bothwell	Bothwell
Union Gas Company of Canada Limited ¹	Chatham	Various
Valencourt, L.	Welland	Thorold
Wale, H.	Stevensville	Humberstone
Warwick, Jack	Bothwell	Zone
Watson, Warwick & Huron Petroleum Ltd.	Chatham	Howard
Webbwood Exploration Company Limited	974 Wilson Ave., Downsview	Tilbury West
Welland County Gas Syndicate	Stevensville	Bertie
Welland Gas Syndicate	Welland	Welland
Wellandport Gas Co. Ltd.	Dunnville	Gainsborough
Whorton Associates	Box 587 Wellsville, N.Y., U.S.A.	Norfolk
York Producing Company Ltd.	Bolivar, New York, U.S.A.	Chatham
Yuez Gas Company	732 Brisbane Bldg., Buffalo, U.S.A.	Charlotteville
Zenmac Metal Mines Ltd.	80 Richmond St. W., Toronto 1	Morpeth
Manitoba:		
Basco Petroleums Ltd.	706-7th Ave. S.W., Calgary, Alberta	Daly
British American Oil Company Limited	800 Bay St., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Various
Calrock Oil & Gas Ltd.	1714-24th St. S.W., Calgary, Alberta	Roselea
Canadian Delhi Oil Ltd.	505-8th Avenue Bldg., Calgary, Alberta	Scallion
Canadian Export Gas & Oil Ltd.	736-8th Ave. S. W., Calgary, Alberta	Virden, Roselea, and Scallion
Canadian Superior Oil Ltd.	703-6th Ave. S. W., Calgary, Alberta	Various
Consolidated Oil & Gas Inc.	4150 East Mexico Ave., Denver 22, Colorado, U.S.A.	East Daly
Dillman Oil Properties Ltd.	305 Brent Bldg., Regina, Saskatchewan	Kirkella
Dome Petroleum Limited	706-7th Ave. S. W., Calgary, Alberta	Virden, Ebor and Hargrave
Eureka Oils Ltd.	176 Sutherland Ave., Winnipeg 4	Roselea and Virden
Fargo Oils Ltd.	320-7th Ave. S. W., Calgary, Alberta	Virden
Fosca Oil Co. Ltd.	505 Anglo-American Bldg., Calgary, Alberta	Daly
Frontenac Petroleum Co. Ltd.	70 Calder Crescent, Regina, Saskatchewan	Virden and Roselea

¹ These firms are classified to other industries.

Directory of Firms Producing Crude Petroleum and Natural Gas, 1962 — Continued

Name	Address	Location of field
Manitoba—Concluded:		
Halliburton Oil Producing Co.	2915 Classen Blvd., Oklahoma City, Oklahoma, U.S.A.	Routledge
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Kardar Canadian Oils Ltd.	25 King St. W., Toronto 1, Ontario	Various
Kissinger Petroleums Ltd.	Box 8878, University Park Station, Denver 10, Colorado, U.S.A.	Wildcat
Kranz Oil Limited	653-4th Ave. N., Fargo, North Dakota, U.S.A.	Viriden-Roselea
Marathon Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Various
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Viriden
Milestone Petroleum Ltd.	Box 667, Viriden	North Scallion
Mineraloid Ltd.	1208 S. Garfield, Alhambra, California, U.S.A.	Fourledge
Murphy Oil Co. Ltd.	703-5th St. W., Calgary, Alberta	Viriden and Roselea
Owen, J.P.	Box 1432, Oil Centre Station, Lafayette, Indiana U.S.A.	Tilston
Pope Oils Ltd.	Box 11, Minot, North Dakota, U.S.A.	South Scallion
Recovery Oils Ltd.	Box 886, Viriden	Daly
Samedan Oil of Canada Inc.	Box 909, Ardmore, Oklahoma, U.S.A.	Viriden
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary, Alberta	Daly
Shannon Oils Ltd.	Box 14, Norwood	North Viriden and Roselea
Sun Oil Company	805-8th Ave. S.W., Drawer 38, Calgary, Alberta	Viriden
Texaco Exploration Company	237-7th Ave. S.W., Calgary	Various
Thunderbird Oils Ltd.	530A-6th Ave. S.W., Calgary, Alberta	Viriden
Union Oil Co. of Canada Ltd.	709-8th Ave. W., Calgary, Alberta	Various
Vallat, E.H. Ltd.	534-6th Ave. S.W., Calgary, Alberta	Various
Saskatchewan:		
Agawam Oil Co. Ltd.	Box 830, Regina	Benson and Parkman
Albrumac Oils Ltd.	Alberta Wheat Pool Bldg., Calgary, Alberta	Steelman
Alcon Petroleums Ltd.	627-6th Ave. S.W., Calgary, Alberta	Various
Alminex Ltd.	320 Bay St., Toronto 1, Ontario	Milton
Altair Oil & Gas Co.	Box 2009 Amarillo, Texas, U.S.A.	Various
Altana Exploration Co.	Box 1338, Butte, Montana, U.S.A.	Smiley and Whiteside
Ambassador Oil Corporation	Box 9338, Fort Worth, Texas, U.S.A.	Midale and Stoughton
Amerada Petroleum Corp.	703-6th Ave. W., Calgary, Alberta	Alida, Steelman and Queensdale
American Liberty Oil Company	Box 8105, Dallas 5, Texas, U.S.A.	Various
Ashland Oil & Refining Company	1409 Winchester Ave., Ashland, Kentucky, U.S.A.	Pembina
Bakke, W.E. Oil Co. Ltd.	300 Petroleum Center Bldg., San Antonio, Texas, U.S.A.	Alida
B.C. & M. Enterprises	912-2nd St. N.W., Minot, North Dakota, U.S.A.	Hastings
Bison Petroleums & Minerals Ltd.	201 Brent Bldg., Regina	Various
Brehm Petroleums Ltd.	Box 618, Mt. Vernon, Illinois, U.S.A.	Midale
British American Oil Company Ltd.	800 Bay St., Toronto, Ontario	Various
Bueno Oils Ltd.	709-717-7th Ave. S.W., Calgary, Alberta	Steelman and Rockland
Buffalo Oil Co. Ltd.	Box 1670, Regina	Alameda
Cabeen Exploration Corporation	706-7th Ave. S.W., Calgary, Alberta	Smiley and Whiteside
California Standard Company	Medical Arts Bldg., Calgary, Alberta	Various
Canadian Delhi Oil Ltd.	505-8th Ave. S.W., Calgary, Alberta	Bone Creek
Canadian Devonian Petroleums Ltd.	Box 694, Calgary, Alberta	Carnduff
Canadian Export Gas & Oil Ltd.	736-8th Ave. S.W., Calgary, Alberta	Various
Canadian Fina Oil Ltd.	736-8th Ave. S.W., Calgary, Alberta	Carnduff, Midale, Parkman and Weyburn
Canadian Husky Oil Ltd.	815-6th St. S.W., Calgary, Alberta	Kindersley and Lloydminster
Canadian Keweenaw Ltd.	805-8th Ave. S.W., Calgary, Alberta	Steelman
Canadian Long Island Petroleums Ltd.	401 Lancaster Bldg., Calgary, Alberta	Glen Ewen
Canadian Oil Companies Ltd.	188 University Ave., Toronto 1, Ontario	Various
Canadian Superior Oil	703-6th Ave. W., Calgary, Alberta	Various
Canadian W.C. McBride Inc.	25 N. Brentwood Blvd., St. Louis 5, Missouri, U.S.A.	Hastings and Parkman
Canex Gas Ltd.	736-8th Ave. S.W., Calgary, Alberta	Carnduff
Canpet Exploration Ltd.	1450 Elveden House, Calgary, Alberta	Various
Central Del Rio Oils Ltd.	224-9th Ave. S.W., Calgary, Alberta	Weyburn
Champlin Oil & Refining Co.	Box 1240, Calgary, Alberta	Various
Colorado Oil and Gas Ltd.	Oil Exchange Bldg., Calgary, Alberta	Various
Consolidated Mic Mac Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Consumers' Co-operative Refineries Ltd.	211 Ave. D, North, Saskatoon	Smiley and Eureka
Devon-Palmer Oils Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Dillman Oil Properties Ltd.	305 Brent Bldg., Regina	Various
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary, Alberta	Various
Donna Oils	602 West Hastings St., Vancouver 2, British Columbia	Lloydminster
Dormark Oils Ltd.	401 Lindsay Bldg., Winnipeg 2, Manitoba	Dulwich
Echo Oil Company (The)	1840 McIntyre St., Regina	Carnduff and Steelman
Elk Oils Ltd.	Humbolt	McLaren
Fair Petroleums	Lloydminster	Lloydminster
Fargo Oils Ltd.	320-7th Ave. S.W., Calgary, Alberta	Various
Ferguson Oil & Gas Ltd.	Regina	Various
Francana Oil & Gas Ltd.	5 St. James St. E., Montreal, Quebec	Various
Franco Castle No. 10 well	825 Granville St., Vancouver 2, British Columbia	Lloydminster and Lone Rock
Freeholders Oil Co. Ltd.	539-8th Ave. W., Calgary, Alberta	Midale
Froman Oils Ltd.	Box 666, Lloydminster, Alberta	Marsden and Dina
Garvey Exploration Ltd.	352 North Broadway, Wichita, Kansas, U.S.A.	Various
General American Oils Ltd.	Meadows Bldg., Dallas 6, Texas, U.S.A.	Coleville
Gladstone Petroleum Ltd.	5 Dome Bldg., Calgary, Alberta	Doddsland
Great American Royalties Ltd.	912-3rd St. N.W., Minot, North Dakota, U.S.A.	Belgarde
Gridoil Freehold Leases Ltd.	330-9th Ave. S.W., Calgary, Alberta	Various
Grizzly Petroleum Ltd.	224-9th Ave. S.W., Calgary, Alberta	Kisbey-Stortoaks
Guyar Oil Company Ltd.	1570 Elveden House, Calgary, Alberta	Doddsland
Hudson's Bay Oil & Gas Co. Ltd.	320-7th Ave. W., Calgary, Alberta	Various
Hussar Operators Ltd.	215A-10th St. N.W., Calgary, Alberta	Hitchcock and Weyburn
Imperial Oil Limited	111 St. Clair Ave., Toronto, Ontario	Various
Intermountain Petro-Mining Ltd. (Cascade Drilling Co. Ltd.)	Box 1120, Calgary, Alberta	Midale
Kidd, Barron	3707 Rawlins St., Dallas 19, Texas, U.S.A.	Various
Kissinger Petroleums Ltd.	Box 8878 University Park Station, Denver 10, Colorado, U.S.A.	Various
Kranz Oil Ltd.	653-4th Ave. North, Fargo, North Dakota, U.S.A.	Benson

¹ These firms are classified to other industries.

Directory of Firms Producing Crude Petroleum and Natural Gas, 1962 — Continued

Name	Address	Location of field
Saskatchewan—Concluded:		
Lewis, James A. Engineering Co. Ltd.	736-8th Ave. S.W., Calgary, Alberta	Cantuar
Lloydminster Gas Co. Ltd. ¹	Lloydminster	Lloydminster
Lone Rock Gas Co.	Lone Rock	Lone Rock
Marathon Oil Company	539 South Main St., Findlay, Ohio	Various
McAlester Canadian Oil Co.	Box 210, Magnolia, Arkansas, U.S.A.	Weyburn and Midway
McCarty & Coleman	916-9th St., Wichita Falls, Texas, U.S.A.	Alida and Queensdale
Medallion Petroleum Ltd.	224-9th Ave. S.W., Calgary, Alberta	Various
Midland Exploration Company	5530 The Toledo, Long Beach 3, California, U.S.A.	Carnduff
Monsanto Oils Ltd.	314 Royalite Bldg., Calgary, Alberta	Various
Monterey Petroleum Corporation	122-635-6th Ave. S.W., Calgary, Alberta	Various
Murphy Oil Co. Ltd.	703-5th St. W., Calgary, Alberta	Midale, Weyburn and Hastings
New Continental Oil Co. of Canada Ltd.	1170 Elveden House, Calgary, Alberta	Various
Norcan Oils Ltd.	330-9th Ave. S.W., Calgary, Alberta	Various
Nortex Exploration Corp.	300 Gulf States Bldg., Dallas	Benson
North American Oils Ltd.	602 W., Hastings St., Vancouver 2, British Columbia	Lloydminster
Nuwell Oils Ltd.	10019-103 rd St., Edmonton, Alberta	Dutwich and Silverdale
Oilphant & Oliphant	1905 National Bank of Tulsa Bldg., Tulsa, Oklahoma, U.S.A.	Rapdan
Orecan Oil Ltd.	305 Brent Bldg., Regina	West Kingsford
P.A.T. Operators Ltd.	508 Royal Trust Bldg., Edmonton, Alberta	Lloydminster
Pam Oil Ltd.	301 Hudson's Bay Oil & Gas Bldg., Calgary, Alberta	Carnduff and Alameda
Phillips, Joe Ltd.	206-736-8th Ave. S.W., Calgary, Alberta	Various
Placid Oil Co.	600 Beck Bldg. Shreveport, Louisiana, U.S.A.	Nottingham, Glen Ewen and Steelman
Prairie Oil Royalties Co. Ltd.	2236 Albert St., Regina	Oungre and Midale
Prenalta Petroleum Ltd.	222 Blow Bldg. Calgary, Alberta	Alameda
Provo Gas Producers Ltd.	706-7th Ave. S.W., Calgary, Alberta	Midale
Ranger Oil (Canada) Ltd.	505-8th Ave. W., Calgary, Alberta	Various
Rex Oil & Development Co. Ltd.	401 Lindsay Bldg., Winnipeg, Manitoba	Dulwich
Ribrock Oils Ltd.	Box 790, Prince Albert	Lone Rock
Rogers Alberta Syndicate	Lloydminster	Lloydminster
Royalite Oil Company Ltd.	Royalite Bldg., Calgary, Alberta	Various
Rudman, M.B.	1730 Mercantile Dallas Bldg., Dallas 1, Texas, U.S.A.	Midale
Sarcee Petroleum Ltd.	640-7th Ave. S.W., Calgary, Alberta	Eureka-Doddsland
Saskatchewan Power Corporation ¹	1739 Cornwall St., Regina	Hatton
Saskatoon Petroleum	602 W. Hastings St., Vancouver, British Columbia	Lloydminster
Scurry-Rainbow Oil Ltd.	539-8th Ave. W., Calgary, Alberta	Various
Security Freehold Petroleum Ltd.	Box 924, Winnipeg 1, Manitoba	Weyburn
Shell Oil Company of Canada, Ltd.	Box 400, Terminal A, Toronto 1, Ontario	Various
Sinclair Canada Oil Co.	700 Petroleum Bldg., Calgary, Alberta	Weyburn
Skelly Oil Company	Box 1650, Tulsa, Oklahoma, U.S.A.	Various
Socony Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary, Alberta	Various
Sohio Petroleum Company	309-8th Ave. W., Calgary, Alberta	Various
Sun Oil Company	805-8th Ave. S.W., Calgary, Alberta	Various
Sunac Petroleum Corporation	1100 Mercantile Continental Bldg., Dallas 1, Texas, U.S.A.	Various
Tacoma Petroleum Ltd.	301 Lancaster Bldg., Calgary, Alberta	Pinto
Tenneco Corporation and subsidiaries	Box 18, Houston, Texas, U.S.A.	Hitchcock and South Weyburn
Texaco Exploration Co.	237-7th Ave. S.W., Calgary, Alberta	Various
Thunderbird Minerals Ltd.	301 Lancaster Bldg., Calgary, Alberta	Pinto
Tidewater Canadian Oil Ltd.	Regina	Various
Trans-Western Oils Ltd.	604-1st Ave. S.W., Calgary, Alberta	Lone Rock
Triad Oil Co. Ltd.	535-7th Ave. W., Calgary, Alberta	Various
Union Oil Co. of Canada Ltd.	709-8th Ave. S.W., Calgary, Alberta	Various
United Canso Oil & Gas Ltd.	940-8th Ave. S.W., Calgary, Alberta	Various
Uno-Tex Petroleum Corporation	309-7th Ave. S.W., Calgary, Alberta	Various
Valentia Oil Corporation Ltd.	67 Yonge St., Toronto 1, Ontario	Dunwich
Westburne Oil Development Ltd.	505-2nd St. S.W., Calgary, Alberta	Various
Western Allenbee Oil & Gas Co. Ltd.	204-569 Howe St., Vancouver 1, British Columbia	Lloydminster
Western Decalta Petroleum Ltd.	703-5th St. W., Calgary, Alberta	North Premier
Whitehall Canadian Oils Ltd.	Can. Bank of Commerce Bldg., Toronto, Ontario	Various
Williamson Oil & Gas Ltd.	709-8th Ave. S.W., Calgary, Alberta	Various
Wintershall Oil of Canada Ltd.	626 Lougheed Bldg., Calgary, Alberta	Various
Alberta:		
Acheson East Oil & Gas Co. Ltd.	10305-97th St., Edmonton	Various
Alberta Pacific Consolidated Oils Ltd.	635-6th Ave. S.W., Calgary	Turner Valley
Altana Exploration Company	Box 1338, Butte, Montana, U.S.A.	Caroline, Garrington and Dog pound
Amex Petroleum Corporation	507 Enterprise Bldg., Tulsa, Oklahoma, U.S.A.	Various
Ambassador Oil Corp.	Box 9338, Fort Worth, Texas, U.S.A.	Various
Amerada Petroleum Corporation	703-8th Ave. W., Calgary	Various
American Leduc Petroleum Ltd.	10435-124th St., Edmonton	Bashaw
Apache Corporation	1800 Foshay Tower, Minneapolis, Minnesota, U.S.A.	Various
Atlantic Refining Co.	303-11745 Jasper Ave., Edmonton	Various
Banff Oil Ltd.	505-8th Ave. Bldg., Calgary	Various
Barons Oil Ltd.	907-3rd Aves. Lethbridge	Barons
Big Five Petroleum Ltd.	201 Lancaster Bldg., Calgary	Leduc
Blair, Edwin Foster	309-8th Ave. S.W., Calgary	Various
Blue Crown Petroleum Ltd.	330-9th Ave. S.W., Calgary	Namoo
Brett Oil & Gas Ltd.	315 Lancaster Bldg., Calgary	Chin Coulee
Brinkerhoff Drilling Co. Ltd.	220 Bentall Bldg., Calgary	Crossfield and Medicine River
Britalta (Alberta) Petroleum Ltd.	300 Fillmore St., Denver 6, Colorado U.S.A.	East Calgary and Hilda
British American Oil Co. Ltd.	800 Bay St., Toronto	Various
Cabeen Exploration Corp.	706-7th Ave. S.W., Calgary	Various
California Standard Company	Medical Arts Bldg., Calgary	Various
Calmar West Oils Ltd.	401 Lancaster Bldg., Calgary	Leduc
Campbell, R. & Associates	Box 4183 Station D., Vancouver 9, British Columbia	Leduc-Woodbend
Canada-Cities Service Petroleum Corporation	Bartlesville, Oklahoma, U.S.A.	Various
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Various
Canadian Devonian Petroleum Ltd.	Box 694, Calgary	Hespero
Canadian Export Gas & Oil Ltd.	736-8th Ave. S.W., Calgary	Big Valley and Sedalia
Canadian Fina Oil Limited	736-8th Ave. S.W., Calgary	Various
Canadian High Crest Oils Ltd.	608-7th St. S.W., Calgary	Various
Canadian Husky Oil Ltd.	815-6th St. S.W., Calgary	Lloydminster

¹ These firms are classified to other industries

Directory of Firms Producing Crude Petroleum and Natural Gas, 1962 — Continued

Name	Address	Location of field
Alberta¹ — Continued:		
Canadian Industrial Gas Ltd.	640-7th Ave. S.W., Calgary	Morinville, St. Albert and Big Lake
Canadian Kewanee Ltd.	805-8th Ave. S.W., Calgary	Various
Canadian-Montana Gas Company Ltd. ¹	Box 1338, Butte, Montana, U.S.A.	Various
Canadian Oil Companies Ltd. ¹	188 University Ave., Toronto, Ontario	Various
Canadian Pacific Oil & Gas Ltd.	Box 400, Calgary	Various
Canadian Propane consolidated Ltd.	250, Etredon House, Calgary	Acheson
Canadian Seaboard Oil Co.	237-7th Ave. W., Calgary	Various
Canadian Superior Oil Ltd.	703-6th Ave. W., Calgary	Various
Canadian Western Natural Gas Co. Ltd. ¹	140-6th Ave. S.W., Calgary	Various
Canadian Western Power & Fuel Co. Ltd.	Redcliff	Medicine Hat
Cancrude Oil & Gas Co. Ltd.	444-7th Ave. S.W., Calgary	Pembina
Canex Gas Ltd.	736-8th Ave. S.W., Calgary	Various
Canpet Exploration Ltd.	1450 Elveden House, Calgary	Various
Central Del Rio Oils Ltd.	224-9th Ave. S.W., Calgary	Leduc-Woodbend
Century Royalties Ltd.	330-9th Ave. S.W., Calgary	Turner Valley
Champlin Oil & Refining Co.	Box 1240, Calgary	Various
Colorado Oil & Gas Ltd.	Oil Exchange Bldg., Calgary	Various
Consolidated Bonnyville Ltd.	2015 Drummond St., Montreal, Quebec	Cold Lake and Fort Kent
Consolidated East Crest Oil Co. Ltd.	718-8th Ave. S.W., Calgary	Various
Consolidated Mic Mac Oils Ltd.	320-7th Ave. W., Calgary	Various
Daveroy Oil Co. Ltd.	9619-54th St., Edmonton	Camrose
Dea Oil of Canada Ltd.	505-8th Ave. S.W., Calgary	Pembina
DeKalb Petroleum Corporation	410 Alpine Bldg., Calgary	Various
Dempsey Oils Ltd.	117B-8th Ave. S.W., Calgary	South Leduc
Devon Palmer Oils Ltd.	320-7th Ave. S.W., Calgary	Various
Diversa Inc.	633 Meadows Bldg., Dallas Texas, U.S.A.	Saxet and Medicine Hat
Dome Petroleum Ltd.	706-7th Ave. S.W., Calgary	Pembina and Drumheller
Dominion Glass Co. Ltd. ¹	1111 Beaver Hall Hill, Montreal, Quebec	Medicine Hat
Dundee Oils Ltd.	11404-142nd St., Edmonton	Leduc-Woodbend
Elk Point Gas Ltd.	Elk Point	Elk Point
Embassy Petroleums Ltd.	227-7th Ave. S.W., Calgary	Whitelaw and Leduc-Woodbend
Empire State Oil Company	Box 871, Thermopolis, Wyoming, U.S.A.	Joffre
Federal Oils Syndicate	223A-10th St. N.W., Calgary	Patricia
Flamingo Oils Limited	100 Adelaide St. W., Toronto, Ontario	Redwater
Fosca Oil Co. Ltd.	505 Anglo American Bldg., Calgary	Battle South and Wainwright
French Petroleum Co. Of Can. Ltd.	635-6th Ave. S.W., Calgary	Various
Fulton Engineering Ltd.	5 Dome Bldg., Calgary	Wainwright
Goodyear Tire and Rubber Co. of Canada Ltd. ¹	3050 Lakeshore Blvd. W., Toronto 14, Ontario	Medicine Hat
Great Plain's Development Company of Canada Ltd.	736-8th Ave. W., Calgary	Various
Guyer Oil Company Ltd.	1570 Elveden House, Calgary	Joffre and Pembina
Hales Oil & Gas Co. Ltd.	530A-6th Ave. S.W., Calgary	Ellerslie
Hamilton Brothers Canadian Gas Company Ltd.	706-7th Ave. S.W., Calgary	Gilby
Home Oil Company Limited	304-6th Ave. S.W., Calgary	Various
Huber, J.M. Corporation	960 Elveden House, Calgary	Brooks
Hudson's Bay Oil & Gas Co., Ltd.	320 Seventh Ave. W., Calgary	Various
Hunt Oil Company	700 Mercantile Bldg., Dallas, Texas, U.S.A.	Ferrier and Buffalo Lake
Imperial Oil Ltd.	111 St. Clair Ave., Toronto, Ontario	Various
Inland Gas & Oil Co. Ltd.	124 Commercial Chambers, Edmonton	Viking-Kinsella
International Helium Co. Ltd.	405-25 Adelaide St. W., Toronto	Pembina
Inti Gas Engineering Ltd.	3308-39th St. S.W., Calgary	Sylvan Lake
Jefferson Lake Petro chemicals of Canada Ltd.	410 Petroleum Bldg., Calgary	Various
Kelcam Oils Ltd.	6206-97th St., Edmonton	Leduc
Kerr-McGee Oil Industries Inc.	Kerr-McGee Bldg., Oklahoma City, Oklahoma, U.S.A.	Prevo
King-Stevenson Gas and Oil Co.	1400 Elvedon House, Calgary	Joffre and Wildcats
Landa Oil Company	5738 N. Central Express way, Dallas Texas, U.S.A.	Various
Lewis, James A. Engineering Ltd.	736-8th Ave. S.W., Calgary	Pembina
Lloydminster Gas Co. Ltd. ¹	Drawer H., Lloydminster, Saskatchewan	Lloydminster
Lobitos Oilfields Canada Ltd.	940-8th Ave. W., Calgary	Various
Luscar Coals Ltd.	605 Royal Trust Bldg., Edmonton	Pembina and Swan Hills
Many Islands Pipe Lines Ltd.	1739 Cornwall St., Regina, Saskatchewan	Medicine Hat
Maple Leaf Mills Ltd. ¹	Box 370, Postal Station A, Toronto, Ontario	Medicine Hat
Marathon Oil Company	539 South Main St., Findlay, Ohio, U.S.A.	Various
Marjack Oils Ltd.	10305-97th St., Edmonton	Leduc
McAlester Canadian Oil Co.	Box 210, Magnolia, Arkansas, U.S.A.	Various
Medallion Petroleums Ltd.	224-9th Ave., S.W., Calgary	Various
Medicine Hat City	Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd. ¹	Box 70, Medicine Hat	Medicine Hat
Medicine Hat Brick & Tile Co. Ltd. ¹ (Alberta Clay Products Division)	Box 70, Medicine Hat	Medicine Hat
Metro Oil & Gas Co. Ltd.	102 Mercantile Bldg., Edmonton	Excelsior
Midwest Oil Corporation	809-4th St. S.W., Calgary	Various
Mid-Western Industrial Gas Ltd.	11055-107th St., Edmonton	Various
Monarch Investments Ltd.	Medicine Hat	Medicine Hat
Monsanto Oils Ltd.	314 Royalite Bldg., Calgary	Turin, Twining and Schneider Lake
Murphy Oil Co. Ltd.	703-5th St. W., Calgary	Various
New Continental Oil Co. of Canada Ltd.	1170 Elveden House, Calgary	Leduc
New York Oils Ltd.	703-5th St. S.W., Calgary	Penhold
Norcan Oils Ltd.	330-9th Ave. S.W., Calgary	West Drumheller and Willesden Green
North Canadian Oils Ltd.	640-7th Ave. S.W., Calgary	Various
Northern Natural Gas Producing Co.	2223 Dodge St., Omaha, Nebraska, U.S.A.	Various
Northwestern Utilities Ltd. ¹	10040-104th St., Edmonton	Various
Ogilvie Flour Mills Co. Ltd. ¹	Box 6089 Montreal, Quebec	Medicine Hat
Old Settler's Oils Ltd.	9930-106th St., Edmonton	Undefined
Pacific Petroleums Ltd.	800 Pacific Bldg., Calgary	Various
Pamoil Ltd.	301 Hudson's Bay Oil & Gas Bldg., Calgary	Various
Pan American Petroleum Corp.	444-7th Ave. S.W., Calgary	Various
Panalta Petroleums Ltd.	205 Rutland House, Rideau Towers, Calgary	Drumheller
Pat Buckley Oil Company	Box 548, Shelby, Montana, U.S.A.	Border
Peigan Oil of Canada Ltd.	1027-8th Ave. S.W., Calgary	Various

¹ These firms are classified to other industries.

Directory of Firms Producing Crude Petroleum and Natural Gas, 1962 — Concluded

Name	Address	Location of field
Alberta—Concluded:		
Penwa Oils Ltd.	3301 - 9th Ave. S.W., Calgary	Crossfield
Phillips, Joe Ltd.	736 - 8th Ave. S.W., Calgary	Various
Plute Petroleum Ltd.	505 Second St. S.W., Calgary	Wainwright
Prensett Corporation	Professional Bldg., Tarrytown, New York, U.S.A.	Bantry South
Provo Gas Producers Ltd.	706 - 7th Ave. S.W., Calgary	Crossfield, Hughenden and Pembina
Pure Oil Company	1200 Elveden House, Calgary	Swan Hills & Ferrier
Quinalta Petroleum Ltd.	617 - 7th Ave. W., Calgary	Morinville
Quintus Leaseholds Ltd.	1550 Elveden House, Calgary	Pembina
Redcliff Premier Brick Co.	Redcliff	Medicine Hat
Redwater Oils Ltd.	200 - 838 - 11th Ave. S.W., Calgary	Hairy Hill
Redwater Water Disposal Co. Ltd.	8505 Argyll Rd., Edmonton	Redwater
Regent Refining (Canada) Ltd.	509 - 3rd St. W., Calgary	Swan Hills
Richfield Oil Corporation	555 South Flower St., Los Angeles 17, Cal.	Various
Ross & Nygten	Box 40, Lloydminster	Lloydminster
Royal American Oil Co. Ltd.	201 Lancaster Bldg.	Leduc - Woodbend
Royal Canadian Ventures Ltd.	1011A - 17th Ave. S.W., Calgary	Clive
Royalite Oil Company Limited	Royalite Bldg., Calgary	Redwater, Turner Valley and Stony Plain
Sage Oil Company Limited	11404 - 142nd St., Edmonton	Various
Sasko-Wainwright Oil & Gas Ltd.	9930 - 106th St., Edmonton	Wainwright
Schermerhorn Oil Corporation	Box 287 Tulsa, Oklahoma, U.S.A.	Swan Hills
Scurry-Rainbow Oil Ltd.	539 - 8th Ave. W., Calgary	Various
Sharples Oil Corporation	1700 Broadway, Denver 2, Colorado, U.S.A.	Wildcat
Shell Oil Company of Canada, Limited	Box 400, Terminal A, Toronto, Ontario	Jumping Pound etc.
Sinclair Canada Oil Company	700 Petroleum Bldg., Calgary	Various
Skelly Oil Company	Box 1650 Tulsa, Oklahoma, U.S.A.	Various
Socony Mobil Oil of Canada Ltd.	Mobil Oil Bldg., Calgary	Carson Creek
Sohio Petroleum Company	309 - 8th Ave. S.W., Calgary	Wildcat
Southland Royalty Company	1603 First National Bldg., Fort Worth 2, Texas, U.S.A.	Hays
Sparky Development Ltd.	330 - 9th Ave. W., Calgary	Wainwright
Spooner Mines & Oils Ltd.	640 - 7th St. S.W., Calgary	Leduc
Sterling Royalties Ltd.	330 - 9th Ave. S.W., Calgary	Turner Valley
Sturgeon Petroleum Ltd.	224 - 9th Ave. S.W., Calgary	Leduc - Woodbend
Suffield Experimental Station ¹	Ralston	Wildcat
Suffield Gas Distributing System	Suffield	Suffield
Sun Oil Company	P.O. Drawer 39, Calgary	Various
Sunac Petroleum Corporation	1100 Mercantile Continental Bldg., Dallas 1, Texas, U.S.A.	Joffre, Pembina and Acheson East
Sunshine Mining Company	W. 300 Mission Ave., Spokane 1, Washington, U.S.A.	Pembina
Supertest Petroleum Corporation Ltd.	608 - 7th S.W., Calgary	Various
Swain Oils Ltd.	717 - 7th Ave. S.W., Calgary	Pembina and Leafield
Tenneco Corporation and Subsidiaries	Box 18, Houston, Texas, U.S.A.	Various
Texaco Canada Ltd.	246 Bloor St. W., Toronto, Ontario	Pembina, Deer Mountain and Snipe Lake
Texaco Exploration Company	237 - 7th Ave. W., Calgary	Various
Texas Crude Oil Company	104 - 26th Ave. S.W., Calgary	Various
Texas Pacific Coal and Oil Company	Box 2110, Fort Worth National Bank Bldg., Fort Worth, Texas, U.S.A.	Viking and Nevis
Texfel Petroleum Corporation	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Pembina
Tidal Petroleum Corporation Ltd.	8631 - 109th St., Edmonton	Lloydminster and Cessford
Tilley Gas Co. Ltd. ¹	Tilley	Tilley
Triad Oil Co. Ltd.	535 - 7th Ave. W., Calgary	Various
Union Oil Co. of California	Box 7600, Los Angeles 54, California, U.S.A.	Milk River
Union Oil Co. of Canada Ltd.	709 - 8th Ave. W., Calgary	Various
United Canso Oil & Gas Ltd.	940 - 8th Ave. S.W., Calgary	Various
Wardean Drilling Ltd.	4431 - 6th St. S.E., Calgary	Acheson East
Wespac Petroleum Ltd.	718 - 8th Ave. S.W., Calgary	Whitemud
Western Allenbee Oil & Gas Co. Ltd.	569 Howe St., Vancouver 1, British Columbia	Leduc - Woodbend and Wainwright
Western Canadian Venture	309 - 8th Ave. S.W., Calgary	Harmattan East
Western Chemicals Ltd.	200 - 838 Eleventh Ave. W., Calgary	Duvernay
Western Decalta Petroleum Ltd.	703 - 5th St. W., Calgary	Various
Western Minerals Ltd.	200 - 838 Eleventh Ave. S.W., Calgary	Willingdon
Western Warner Oils Ltd.	215A - 10th St., Calgary	Leduc - Woodbend
Whitehall Canadian Oils Ltd.	Canadian Bank of Commerce Bldg., Toronto, Ontario	Various
Winstershall Oil of Canada Ltd.	626 Lougheed Bldg., Calgary	Various
Yeske Petroleum Ltd.	9947 - 104th St., Edmonton	Leduc - Woodbend
Zapata Canadian Petroleum Corporation	1050 Elveden House, Calgary	Various
British Columbia:		
Amerada Petroleum Corporation	703 - 6th Ave. S.W., Calgary, Alberta	Various
Atlantic Refining Company	303 - 11745 Jasper Ave. Edmonton, Alberta	Various
Basin Oil Exploration Ltd.	1001 Federal Bldg., Toronto, Ontario	Boundary Lake
Dome Petroleum Ltd.	706 - 7th Ave. S.W., Calgary, Alberta	Boundary Lake, Laprise and Jedney
Hudson's Bay Oil & Gas Co. Ltd.	320 - 7th Ave. W., Calgary, Alberta	Various
Hunt-Sands Joint Venture	700 Mercantile Bank Bldg., Dallas, Texas, U.S.A.	Unnamed
Imperial Oil Ltd.	111 St. Clair Ave., Toronto, Ontario	Various
Marathon Oil Company	707 - 7th Ave. S.W., Calgary, Alberta	Boundary Lake
Medallion Petroleum Ltd.	224 - 9th Ave. S.W., Calgary, Alberta	Peejay
Monsanto Oils Ltd.	314 Royalite Bldg., Calgary, Alberta	Nig Creek
Pacific Petroleum Ltd.	800 Pacific Bldg., Calgary, Alberta	Fort St. John
Sinclair Canada Oil Company	700 Petroleum Bldg., Calgary, Alberta	Various
Sun Oil Company	805 - 8th Ave. S.W., Calgary, Alberta	Various
Tenneco Corporation and Subsidiaries	Box 18, Houston, Texas, U.S.A.	Wildmint
Texaco Exploration Company	237 - 7th Ave. W., Calgary, Alberta	Various
Texfel Petroleum Corporation	3200 Republic Bank Bldg., Dallas 1, Texas, U.S.A.	Boundary Lake
Triad Oil Co. Ltd.	535 - 7th Ave. W., Calgary, Alberta	Beaton River and West Beaton
Union Oil Company of Canada Ltd.	709 - 8th Ave. W., Calgary, Alberta	Various
Whitehall Canadian Oils Ltd.	307 - 4th St. S.W., Calgary, Alberta	Rigel
Northwest Territories:		
Imperial Oil Limited (Norman Wells)	111 St. Clair Ave., Toronto, Ontario	Fort Norman

¹ These firms are classified to other industries.

NATURAL GAS PROCESSING PLANTS, 1962

This report includes statistics for industry 065—Natural Gas Processing Plants of the Standard Industrial Classification Manual (Catalogue No. 12-501).

The data in Table 28 have been revised from the reports of those firms which were classified to this industry according to the Revised Standard Industrial Classification and New Establishment Concept. Prior to 1960 some of the firms had been classified in the manufacturing industry and the statistics were included in the compressed gases industry.

The first natural gas processing plant in Alberta was put into operation in 1933 to recover the natural gasoline or "naphtha". As natural gas became a more important commodity it has become necessary to build more plants to supply dry, clean, natural gas. In processing the wet sour natural gas the by-products which are made include propane, butane, propane-butane mix, natural gasoline, condensate, and hydrogen sulphide. Hydrogen sulphide is further processed to yield elemental sulphur.

TABLE 28. Principal Statistics for the Natural Gas Processing Industry, 1957-62

Basis: Revised Standard Industrial Classification and New Establishment Concept

Year	Estab- lish- ments	Em- ployees	Salaries and wages	Cost of fuel and electricity at works	Cost of process supplies, raw materials	Gross selling value of products (f.o.b. works)	Net value added production
	number				dollars		
1957	10	270	1,408,882	424,412	5,246,689	11,344,465	5,673,364
1958	14	411	2,093,033	734,331	9,501,032	17,509,526	7,274,163
1959	14	461	2,525,833	918,608	7,169,778	17,363,197	9,274,811
1960	30	669	3,790,433	1,288,028	25,624,323	45,762,880	18,850,529
1961	49	744	4,477,319	1,869,994	39,501,327	78,020,013	36,648,692
1962	50	845	5,563,243	2,872,439	63,726,737	119,656,070	53,056,894

TABLE 29. Producers Shipments of Natural Gas By-products, 1960-62

Product	Year	Saskat- chewan	Alberta	British Columbia	Canada
			dollars		
Propane, butane	1960	1,436,564	14,021,998	593,648	16,052,210
L.P.G. — Mix, condensate	1961	1,476,478	23,059,867	2,756,614	27,292,959
Natural gasoline	1962	1,878,643	46,190,893	2,708,970	50,778,506

TABLE 30. Production and Sales of Natural Gasoline and Naphtha in Alberta, 1961 and 1962

	1961	1962
	barrels	
Production—By fields:		
Acheson	17,953	22,163
Bonnie Glen	171,531	175,359
Cessford	69,024	69,913
Countess	7,139	7,528
Enchant	1,244	1,348
Hussar	78,671	76,242
Jumping Pound	68,776	74,286
Kaybob	—	21,596
Leduc-Woodbend	142,866	146,727
Morinville	43,350	41,871
Nevis	119,594	144,790
Parkland	—	23,397
Pembina	368,617	380,384
Prevo	12,790	9,914
Redwater	45,290	47,394
Sedalia	465	549
Sibbald	167	890
Turner Valey	482,994	460,621
Wayne-Rosedale	12,018	23,641
Wood River	6,553	5,753
Totals, Alberta	1,649,042	1,734,366
Transferred to oil	1,641,607	1,730,588
Sales	\$ 3,796,552	4,064,554

TABLE 31. Employees and their Earnings in the Natural Gas Processing Plants, 1957-62

Year	Employees					Man-hours worked (all employees)	Earnings		
	Administration		Workmen		Total		Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number						dollars		
1957	49	3	218	—	270	576,522	288,191	1,120,691	1,408,882
1958	69	7	334	1	411	826,416	468,892	1,624,141	2,093,033
1959	63	2	394	2	461	936,418	457,063	2,068,770	2,525,833
1960	152	20	496	1	669	1,404,606	1,010,143	2,780,290	3,790,433
1961	171	16	557	—	744	1,539,033	1,228,857	3,248,462	4,477,319
1962	174	18	653	—	845	1,761,105	1,332,315	4,230,928	5,563,243

Note: Administration employees include executives, managers, superintendents, other working officials and professional and clerical employees.

TABLE 32. Workmen, by Months, in the Natural Gas Processing Plants, 1962

Number on pay-roll on the last work-day of each month

Month	Male	Female	Total
January	615	—	615
February	633	—	633
March	638	—	638
April	647	—	647
May	667	—	667
June	676	—	676
July	674	—	674
August	673	—	673
September	658	—	658
October	651	—	651
November	644	—	644
December	642	—	642
Averages	653	—	653
<i>Total man-hours worked</i>			<i>1,369,441</i>

TABLE 33. Fuel and Electricity Used in the Natural Gas Processing Plants, 1962

Kind	Quantity	Cost at plant
		\$
Bituminous coal (a) From Canadian mines	—	—
(b) Imported	—	—
Sub-bituminous coal (from Alberta mines only)	—	—
Anthracite coal	—	—
Lignite coal	—	—
Coke (for fuel only)	—	—
Gasoline, (includes gasoline used in cars and trucks)	Imp. gal. 165,094	57,971
Kerosene or coal oil	" 1,260	351
Fuel oil	" 17,314	3,388
Wood (cords of 128 cubic feet of piled wood)	—	—
Gas (a) Liquefied petroleum gases (propane, etc.)	Imp. gal. 149,349	18,933
(b) Other manufactured gas	—	—
(c) Natural gas	M cu.ft. 19,525,535	1,944,001
Other fuel	—	—
Electricity purchased for power and lighting	kwh. 59,196,970	765,400
Electricity purchased for other purposes	—	—
Steam purchased	pound 554,319,387	82,395
Total .....	...	2,872,439
Electricity generated (a) For own use	kwh. 32,565,725	...
(b) For sale	—	—

Operators of Natural Gas Processing Plants, 1962

Name	Address	Location of field
Saskatchewan:		
Nottingham Gas Limited	1825 McIntyre St., Regina	Various
Saskatchewan Power Corporation	1739 Cornwall St., Regina	Coleville-Smiley and Cantuar
Smiley Gas Conservation Ltd.	1825 McIntyre St., Regina	Smiley
Steelman Gas Ltd. ¹	706-7th Ave. S.W., Calgary, Alberta	Steelman
Alberta:		
British American Oil Company Limited	800 Bay St., Toronto, Ontario	Various
California Standard Company	Medical Arts Bldg., Calgary	Nevis, Princess and Sunnynook
Canadian Delhi Oil Ltd.	505-8th Ave. W., Calgary	Buck Lake
Canadian Export Gas & Oil Ltd.	736-8th Ave. S.W., Calgary	Sedalia
Canadian Fina Oil Ltd.	736-8th Ave. S.W., Calgary	Samson and Wildcat
Canadian Industrial Gas Processors Ltd.	640-7th Ave. S.W., Calgary	St. Albert
Canadian Keweenaw Ltd.	805-8th Ave. S.W., Calgary	Cessford-Burfield
Canadian-Montana Gas Co. Ltd.	Box 1338, Butte, Montana, U.S.A.	Black Butte
Canadian Oil Companies Ltd.	631-7th Ave. S.W., Calgary	Innisfail
Canadian Pacific Oil & Gas Ltd.	Box 400, Calgary	Hussar and Wayne-Rosedale
Canadian Propane Consolidated Ltd. (Progas Division)	250 Elveden House, Calgary	Acheson
Canadian Seaboard Oil Company	237-7th Ave. W., Calgary	Gilby
Canadian Superior Oil Ltd.	703-6th Ave. S.W., Calgary	Harmattan Elkton
Canex Gas Ltd.	736-8th Ave. S.W., Calgary	Cessford and Wood River
Edmonton Liquid Gas Ltd.	706-7th Ave. S.W., Calgary	Bonnie Glen and Pembina
Goliad Oil & Gas Co. Ltd.	610 Hudson's Bay Oil & Gas Bldg., Calgary	Pembina
Home Oil Company Limited	304-6th Ave. S.W., Calgary	Carstairs and Crossfield
Hudson's Bay Oil and Gas Co. Ltd.	320-7th Ave. W., Calgary	Cessford and Oyen
Imperial Oil Limited	111 St. Clair Ave. W., Toronto 7, Ontario	Various
Jefferson Lake Petrochemicals of Canada Ltd.	410 Petroleum Bldg., Calgary	Coleman
Kerr-McGee Oil Industries Inc.	Kerr-McGee Bldg., Oklahoma City, Oklahoma, U.S.A.	Prevo
Mid-Western Industrial Processors Ltd. ¹	Box 5460, Edmonton	Alexander
Murphy Oil Company Ltd.	703-5th St. S.W., Calgary	Princess
Okalta Oils Limited	224-9th Ave. S.W., Calgary	Princess
Pan American Petroleum Corporation	444-7th Ave. S.W., Calgary	Windfall and Three Hills
Provo Gas Producers Ltd.	706-7th Ave. S.W., Calgary	Provo
Royalite Oil Company Limited	Royalite Bldg., Calgary	Turner Valley
Saratoga Processing Co. Ltd.	403 Petroleum Bldg., Calgary	Savanna Creek
Shell Oil Co. of Canada Ltd.	1027-8th Ave. W., Calgary	Jumping Pound and Waterton
Sohio Petroleum Company	309-8th Ave. S.W., Calgary	Chigwell East
Sun Oil Company	Drawer 38, Calgary	Countess, Enchant, and Sibbald
Texaco Exploration Company	237-7th Ave. W., Calgary, Alta.	Bonnie Glen, Cynthia
Texas Gulf Sulphur Co.	75 East 45th St., New York 17, N.Y., U.S.A.	Okotoks
British Columbia:		
Jefferson Lake Petrochemicals of Canada Ltd.	410 Petroleum Bldg., Calgary, Alberta	Taylor
Pacific Petroleum Ltd.	320-9th Ave. S.W., Calgary, Alberta	Fort St. John, etc.

¹ Operates processing plant, but the firm is not classified to this industry.



Canada. Statistics, Bureau of.

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(THE) CRUDE PETROLEUM AND NATURAL GAS
INDUSTRY.

1965

No individual reports were issued for 1963 and 1964. This publication contains revised statistics covering the years 1961 to 1965 on the basis of a reorganization of the statistics due to changes in the classification concept of the industry. See introduction for full details.



DOMINION BUREAU OF STATISTICS

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Manufacturing and Primary Industries Division
Energy and Minerals Section

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SYMBOLS

The following standard symbols are used in
Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY

1965

In order to fully implement the uniform concepts of the Standard Industrial Classification, the Dominion Bureau of Statistics in co-operation with the Canadian Petroleum Association, has undertaken a major revision of statistics affecting the exploration and production activities of the oil and gas companies operating in Canada. All companies in the industry supplied data covering their expenditures by function, payroll and employment. In addition in 1965 nineteen major companies were surveyed in detail on all aspects of their operations. Detailed data were collected from these nineteen companies covering salaries and wages, materials and supplies, payments to contractors and total expenditures for both current and capital operations. As a result of these surveys and the re-working of historical data, it is now possible to present statistics from 1961 to 1965 on a revised basis that is comparable with other industries and which will be continued in future years. For comparative purposes the previous statistical series for the years 1961 - 1963 have been included. The following notes explain the changes in the series, the new concepts and definitions which have been used in this report and which will be used in succeeding publications.

The 1961 - 1963 series provided separate statistics for the two industries, Petroleum and Gas Wells (S.I.C. 063), and Natural Gas Processing Plants (S.I.C. 065) as defined in the Standard Industrial Classification Manual (Catalogue No. 12-501). However, due to the vertical integration and overlap of outputs and inputs between the Gas Well and Gas Processing Plant statistics the two industries (S.I.C. 063 and 065) have been combined into the Crude Petroleum and Natural Gas Industry, which also has been expanded to include the former industry S.I.C. 066 Oil Shale and Bituminous Sand Pits. The new Standard Industrial Classification code is S.I.C. 064.

With this publication the final revisions incorporating the Standard Industrial Classification and New Establishment Concept have been completed for the series 1961 - 1965, "The Crude Petroleum and Natural Gas Industry" (S.I.C. 064). This final stage is an extension of the definition of the establishment to cover "total activity" as well as producing activity of the establishment. The original series 1961 - 1963 shows only the producing activity directly attributable to either the Petroleum and Gas Wells (S.I.C. 063) or Natural Gas Processing Plants (S.I.C. 065).

Producing activity is defined as that activity in which expenditures are made by the company for the direct operation of producing facilities. These include gas processing plants, gas gathering lines, operated by the producers and the crude oil and natural gas well, well head and flow line facilities. Gas and oil gathering lines operated by oil and gas pipe line industries are included in Industry S.I.C. 515.

Total activity includes the producing activity plus an extension of the data for other non-producing activities that the establishment might be engaged in. Generally speaking these are the geological and geophysical activities although some companies have other small miscellaneous activities such as real estate or other operations. By definition "total activity" relates to all operational activity but excludes such non-operational data items as rent, interest and dividends.

The basic reporting unit is the "establishment" which is defined as the smallest unit which is a separate operating entity and capable of reporting all of the basic industrial statistics:

- Materials and supplies used
- Goods purchased for resale - as such
- Fuel and power consumed
- Number of employees and their pay
- Inventories
- Shipments or sales

In the oil and gas industry the smallest reporting unit is the provincial operations of the company, including all its oil and gas wells, processing plants and exploration activities. For example, a large company operating in Alberta, Saskatchewan and Ontario would have three establishments. Companies may also have separate marketing or other establishments not coded to the Crude Petroleum and Natural Gas Industry but coded to trade, construction, etc. The employees are generally located in head offices or regional offices within a province, and the staff work out of these offices in various field locations which change as the industry discovers, evaluates and develops various oil and gas fields.

Companies included in the Crude Petroleum and Natural Gas Industry explore for and produce crude petroleum, natural gas, propane, butane, sulphur and helium, either directly from the fields or from gas processing plants or oil sands processing plants. That is, the establishment boundary includes within it the facilities of the gas processing plants, the oil and gas fields, geological and geophysical exploration, and head office work for the above purposes as well as those carried on directly by these companies, and for such other ancillary services as are required to maintain such exploration or producing programmes. Although a company may be engaged in all phases of the industry, they may not necessarily be engaged in all phases in any one province. Refining and marketing activities of oil companies are not included in 064 but are coded to separate industries. It should be carefully noted that the companies engaged in geological and geophysical consulting, or as contractors, are not included in the 064 Crude Petroleum and Natural Gas Industry.

In our statistical publications, expenditures of the industry are segregated between those which are of a capital nature and those which are operational. The primary purpose of this report is to make available operational type data, while the basic statistics on capital expenditures are published by the Business Finance Division in Private and Public Investment in Canada, Catalogue No. 61-205. However, in order to present a complete picture in one report, statistics on capital formation are included here. Because of accounting practices in this industry, uniformity of definitions of capital and current expenditures are difficult to attain. As a result it has been necessary to define those items which are capital and those items which are current. In concert with the total cost accounting techniques and principles being developed in the industry, we have defined as capital, those expenditures for drilling (both exploratory and development), as well as the construction of oil and gas well facilities and other works of a permanent nature. In addition we treat land and land lease acquisition expenditures as capital in nature although not treated as "capital formation" for National Accounts purposes. Geological and geophysical expenditures and the field and well operations, natural gas plant operations and other operating expenses such as land departments, taxes, royalties, etc., are, as may be expected, treated as current expenditures (see Tables 8 and 9).

Electricity

Data refers to amounts purchased and used, with costs being delivered costs at plant and/or field. Electricity produced by establishments for internal consumption is not included in electricity purchases.

Contractor and Service Payments

These expenditures consist of payments made to geological and geophysical contract companies, to other contractors as a company may hire such as road grading, carpentry contractors, etc. In addition, all the service costs of a company such as automobile leasing, telephone expenditures, postage expenditures, insurance, service costs at producing wells, payments made for contract geophysical drilling and geophysical crews, consulting services, etc. are included.

Employment, Man-Hours, Salaries and Wages

Employees include salaried management, professional, technical and administrative personnel, plus production, field, plant and related workers, which comprise both the producing and non-producing activities.

Production and related workers are reported as those receiving pay during the last pay period in the respective month. The numbers are somewhat affected by turnover, in that employment may be overstated when an employee changes employment in the middle of a pay period.

Man-hours, of production and related workers in producing activities represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour.

Salaries and Wages (Tables 1 and 16) refer to gross earnings of all employees before deductions for income tax and employees' contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages and bonuses, profits shared with employees, commissions (paid to regular employees only), as well as any other allowance forming part of the worker's earnings. Payments for overtime are included. They do not include the company share of benefit plans.

In addition to salaries and wages as provided in Tables 1 and 16, data are provided which allocate salaries and wages by function, by province (Table 8). These salaries and wages include, in addition to the employee's portion of benefit plans, etc., the company's share of benefits paid, such as workmen's compensation, health plans, pension plans, etc., but exclude salaries and wages paid for capital works which are included in Table 16. The basis of allocation to province is different in the two series. Employees working in Calgary on a Saskatchewan project are charged to Saskatchewan operations; however, salaries and wages in Tables 1 and 16 are those paid by the province of location of the employee (in this case Alberta).

In the 1961 - 1963 (S.I.C. 063 and S.I.C. 065) the salaries and wages series includes only production and related workers, and administration employees located at the well head or plant. The new combined Crude Petroleum and Natural Gas Industry series (S.I.C. 064) 1961 - 1965 includes the above workers and all management, professional and clerical employees working within the boundaries of the industry, at the company head offices or elsewhere.

Definitions

Production

Gross New Production - All new production excluding reproduction from field storage as measured at the first well head metering point.

Net New Production - "Gross New Production" after the deduction of flared field production. It is the production that is available for further processing, sale, storage, field uses, etc.

Production Net Withdrawals - "Net New Production" after deducting the gas or oil that is reinjected into the field pools.

Marketable Production - The production of gas, oil, propane, butane, etc., which is produced and available for market; i.e. the production of natural gas products produced by gas processing plants after processing plant uses and losses, the sales of natural gas from dry gas fields after field use, losses, reinjection, etc., or the production for sale of crude oil after field use and losses, reinjection, etc., but before inventory changes.

Shipments

The quantity and value of the marketable production that has actually been shipped. For natural gas, marketable production and shipments are identical; however, for the other commodities the differences are the inventory changes which may occur because a company may produce and accumulate an inventory and ship either a smaller or larger amount than its marketable production.

Materials and Supplies used in Producing Activities

Data provided in Table 8 represent quantities and laid down cost at the establishment, of materials, supplies, chemicals, explosives and components consumed during the year in producing activities. In the oil and gas industry it is not practical to estimate the amount of materials that are used as fuel, since this amount represents only a small part of the total energy requirements of the industry and company accounting records do not provide this breakdown. For this reason the amount of fuel purchased and used is shown as a component of materials and supplies. The statistics represent only commodity items or physical goods (costs of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Respondents were requested to report materials and supplies used, not purchased. Included are repair and maintenance supplies not chargeable to fixed assets accounts, cost of repairs or maintenance and other work done by outside contractors and cost of returnable containers are included in contractor and service payment. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment operated cafeterias and lunch counters, first aid medical supplies, laboratory supplies, etc.

Valued Added

(a) By production activities:

Is defined as the value of marketable production less materials and supplies, fuel and electricity consumed in the production of hydrocarbons, sulphur, etc.

(b) By total activity:

Consists of the value added by production activities given above plus the value added by other activities and capital formation. In practice this is represented by the establishments salary and wage component of the capitalized value of these assets less the cost of materials and supplies used in geological and geophysical operation. In the event there is a small value of production and large geological and geophysical operations it is evident a negative value added would result.

Survey Results

During the period 1961 - 1965 the Crude Petroleum and Natural Gas Industry's value of marketable production showed a compound growth rate of 12.5 per cent a year, although this increase was not uniformly distributed. Crude oil production value showed a compound growth rate of only 9.1 per cent a year while natural gas increased 21.2 per cent a year. The products of natural gas processing plants, that is pentanes plus, propane, butane and sulphur more than tripled in the same period; helium was first produced in 1964.

Due to reasons of confidentiality of individual company data it is not possible to provide marketable production values shown by province. However, the value of shipments of the hydrocarbons by province are shown separately in Table 6. Alberta's dominance is well illustrated when in 1965 they shipped \$680,000,000 worth of hydrocarbon products compared to the Canadian total of \$956,000,000.

Growth rate for employment in the four year period was only 1.4 per cent. The slow rate of increase in employment has been caused by increasing automation, and concentration of staff into central offices such as Calgary. Alberta in 1961 had 82 per cent of all employees in the industry, but this proportion increased to 84 per cent in 1965, while production workers showed absolute decreases in most provinces including Alberta.

In 1965 the statistics collected for Canada indicates that 5.3 per cent of all staff worked in management, 22.2 per cent in professional and technical categories, and the specialists, clerical and administrative group represented 44.9 per cent. The field, plant and related workers composed 27.6 per cent of the work force.

Operating expenditures rose from \$321,000,000 in 1961 to \$478,000,000 in 1965 representing a compound growth rate of 10.4 per cent. The largest individual item was royalties accounting for 24 per cent of the total expenditures in 1965. The next largest item, field and well operations, accounted for about 23 per cent of total operating expenditures. This in turn was followed by land and lease retention costs, geological and geophysical and natural gas processing plant operating expenditures.

Total value added for the industry has increased by 12.3 per cent growth rate in the four year period rising from \$599,000,000 to \$952,000,000.

TABLE 1. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province - 1961-65

Note: Basis: Revised standard industrial classification and new establishment concept

Year and province	Estab-lish-ments	Producing activity							Total activity				
		Production and related workers			Cost of elec-tricity	Cost of materials supplies and fuel	Value of markatable production	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000			\$'000
<u>1961</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	12	21	41	-	24	172	148	-	-	15	56	147
Quebec	-	-	-	-	-	-	-	-	-	-	-	-	-
Ontario	195	279	508	806	105	373	9,217	8,739	-	-	397	1,493	9,022
Manitoba	32	74	150	357	341	227	10,156	9,588	-	-	108	529	9,555
Saskatchewan	128	545	1,147	2,787	2,742	2,151	119,716	114,823	-	-	1,127	6,590	115,550
Alberta	238	2,421	5,208	13,513	6,715	11,907	455,039	436,417	-	-	9,148	59,913	451,013
British Columbia	35	112	256	654	-	312	13,757	13,445	-	-	367	2,407	13,993
Yukon, Northwest Territories and Arctic Islands	3	21	44	180	-	224	744	520	-	-	22	191	(378)
Totals	632	3,464	7,334	18,338	9,903	15,218	608,801	583,680	-	-	11,184	71,179	598,902
<u>1962</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	11	24	35	-	22	166	144	-	-	14	48	143
Quebec	-	-	-	-	-	-	-	-	-	-	-	-	-
Ontario	179	243	469	812	102	411	9,535	9,022	-	-	348	1,628	9,329
Manitoba	40	55	122	256	306	202	9,436	8,928	-	-	86	427	8,973
Saskatchewan	130	530	1,113	2,707	3,195	2,353	146,402	140,854	-	-	1,032	5,889	141,644
Alberta	236	2,471	5,256	14,654	7,634	14,279	510,942	489,029	-	-	9,243	63,954	499,124
British Columbia	29	171	394	1,023	-	689	30,544	29,855	-	-	498	3,308	30,863
Yukon, Northwest Territories and Arctic Islands	6	9	18	55	-	224	812	588	-	-	11	71	(1)
Totals	621	3,490	7,396	19,542	11,237	18,180	707,837	678,420	-	-	11,232	75,325	690,075
<u>1963</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	9	22	33	-	22	136	114	-	-	11	48	113
Quebec	-	-	-	-	-	-	-	-	-	-	-	-	-
Ontario	165	220	403	769	108	401	9,865	9,356	-	-	312	1,469	9,629
Manitoba	41	59	117	296	284	192	9,177	8,701	-	-	82	432	8,800
Saskatchewan	133	519	1,066	2,770	3,916	3,111	165,471	158,526	-	-	1,056	6,281	159,678
Alberta	223	2,380	5,039	14,102	9,026	16,586	594,313	568,701	-	-	9,261	64,164	580,092
British Columbia	37	176	385	1,202	-	795	38,860	37,983	-	-	487	3,422	38,356
Yukon, Northwest Territories and Arctic Islands	24	15	43	108	-	224	635	411	-	-	28	196	(224)
Totals	624	3,378	7,075	19,280	13,334	21,331	818,457	783,792	-	-	11,237	76,012	796,444

TABLE 1. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province - 1961-65 - Concluded

Note: Basis: Revised standard industrial classification and new establishment concept

Year and province	Estab-lish-ments	Producing activity							Total activity				
		Production and related workers			Cost of elec-tricity	Cost of materials supplies and fuel	Value of markatable production	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000		\$'000	
<u>1964</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	1	6	14	19	-	12	117	105	-	-	7	28	105
Quebec	-	-	-	-	-	-	-	-	-	-	-	-	-
Ontario	136	215	433	766	114	419	9,239	8,706	-	-	313	1,512	8,988
Manitoba	50	71	153	350	261	177	10,296	9,858	-	-	104	532	10,011
Saskatchewan	136	465	1,020	2,714	4,286	3,205	192,855	185,364	-	-	952	6,134	187,002
Alberta	228	2,357	5,185	13,775	8,870	17,425	651,275	624,980	-	-	9,405	65,953	636,042
British Columbia	56	169	380	1,094	-	798	39,321	38,523	-	-	419	2,826	39,137
Yukon, Northwest Territories and Arctic Islands	33	19	51	166	-	135	470	335	-	-	42	321	(457)
Totals	640	3,302	7,236	18,884	13,531	22,171	903,573	867,871	-	-	11,242	77,306	880,828
<u>1965</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	2	6	16	27	-	9	105	96	-	-	6	27	98
Quebec	3	-	-	-	-	-	-	-	-	-	8	58	(18)
Ontario	107	226	480	1,209	120	385	9,855	9,350	-	-	353	2,069	9,748
Manitoba	60	63	128	296	266	183	11,530	11,081	-	-	91	485	11,158
Saskatchewan	139	503	1,076	3,019	4,754	3,951	207,627	198,922	-	-	990	6,522	200,144
Alberta	233	2,283	4,941	13,937	8,940	18,308	701,510	674,262	-	-	9,930	72,273	685,709
British Columbia	75	147	314	961	-	793	46,875	46,082	-	-	375	2,766	46,529
Yukon, Northwest Territories, Arctic Islands, Off Shore and Hudson Bay	56	34	95	240	-	95	633	538	-	-	64	487	(959)
Totals	675	3,262	7,050	19,689	14,080	23,724	978,135	940,331	-	-	11,817	84,687	952,409

TABLE 2. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 063), 1957-63

Note: Basis: Revised standard industrial classification and new establishment concept

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Value of production	Value added
	number					\$'000	
1957	519	5,594	27,379	5,399	10,107	461,502	445,996
1958	615	4,910	24,232	5,158	8,246	418,921	405,517
1959	618	4,765	25,507	6,261	8,711	451,197	436,225
1960	612	4,349	23,577	6,122	10,781	467,617	450,714
1961	581	4,157	23,648	6,160	8,343	569,567	555,064
1962	499	3,978	23,276	6,840	7,370	690,572	676,362
1963	568	3,657	21,823	7,165	8,273	754,798	739,360

TABLE 3. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 063), by Province - 1961-63

Note: Basis: Revised standard industrial classification and new establishment concept

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Value of production	Value added
	number				\$'000		
<u>1961</u>							
New Brunswick	1	12	41	5	-	160	155
Ontario	195	210	578	91	223	7,340	7,026
Manitoba	32	94	470	136	35	10,148	9,977
Saskatchewan	124	856	4,812	1,294	601	116,749	114,854
Alberta	195	2,666	15,630	4,327	6,979	423,221	411,915
British Columbia	33	297	1,926	266	437	11,168	10,465
Northwest Territories	1	22	191	41	68	781	672
Canada	581	4,157	23,648	6,160	8,343	569,567	555,064
<u>1962</u>							
New Brunswick	1	11	35	5	-	150	145
Ontario	158	168	562	98	185	7,257	6,974
Manitoba	36	45	182	112	33	9,539	9,394
Saskatchewan	121	808	4,484	1,725	829	137,246	134,692
Alberta	164	2,547	15,431	4,499	5,046	504,984	495,439
British Columbia	18	388	2,511	355	1,219	30,593	29,019
Northwest Territories	1	11	71	46	58	803	699
Canada	499	3,978	23,276	6,840	7,370	690,572	676,362
<u>1963</u>							
New Brunswick	1	9	33	6	8	121	107
Ontario	165	140	515	138	278	10,637	10,221
Manitoba	41	81	411	123	116	8,181	7,942
Saskatchewan	129	670	3,738	2,049	1,242	138,677	135,386
Alberta	173	2,319	14,086	4,252	5,068	554,392	545,072
British Columbia	35	410	2,844	457	1,439	42,171	40,275
Yukon and Northwest Territories ...	24	28	196	140	122	619	357
Canada	568	3,657	21,823	7,165	8,273	754,798	739,360

TABLE 4. Principal Statistics for the Natural Gas Processing Industry (S.I.C. 065), 1957-63

Note: Basis: Revised standard industrial classification and new establishment concept

Year	Establishments	Employees	Salaries and wages	Cost of fuel and electricity	Cost of process supplies	Value of production	Value added
	number				\$'000		
1957	10	270	1,409	424	5,247	11,344	5,673
1958	14	411	2,093	734	9,501	17,509	7,274
1959	14	461	2,526	919	7,170	17,364	9,275
1960	30	669	3,790	1,288	25,624	45,763	18,851
1961	49	744	4,477	1,870	39,501	78,020	36,649
1962	50	845	5,563	2,872	63,727	119,656	53,057
1963	56	961	6,312	3,012	78,732	165,427	83,683

TABLE 5. Marketable Production and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

Products		1961		1962		1963		1964		1965	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			\$'000		\$'000		\$'000		\$'000		\$'000
Crude oil	bbls.	220,762,230	504,281	243,238,299	546,239	257,120,148	622,574	274,478,567	673,965	291,511,591	716,899
Condensate and pentanes plus	bbls.	8,764,792	20,250	17,593,152	39,698	21,740,013	54,400	25,264,469	64,127	27,867,535	71,084
Natural gas	Mcf.	560,760,276	68,320	775,886,909	98,096	846,898,532	116,721	944,280,103	134,551(1)	1,028,866,006	147,388(1)
Propane	bbls.	2,671,618	3,700	3,543,113	5,231	4,083,974	5,765	5,761,359	7,269	9,897,945	12,532
Butane	bbls.	2,155,239	2,802	2,357,553	3,134	2,973,529	4,040	5,295,774	7,235	6,376,637	8,379
Sulphur	long tons	480,699	9,448	1,029,421	15,439	1,270,493	14,957	1,460,423	16,426	1,572,691	21,853
Totals			608,801		707,837		818,457		903,573		978,135

(1) Includes value of helium.

TABLE 6. Value of Shipments of Hydrocarbon Products for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

Products	1961		1962		1963		1964		1965		
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	
		\$'000		\$'000		\$'000		\$'000		\$'000	
<u>CANADA</u>											
Crude oil	'000 bbls	220,830,458	504,390	243,480,106	546,797	257,049,555	622,405	274,396,714	673,759	291,563,676	717,024
Condensate and pentanes plus	'000 bbls	8,736,092	20,194	17,602,379	39,720	21,721,681	54,354	25,274,655	64,153	27,868,568	71,087
Natural gas	Mcf.	560,760,276	68,320	775,886,909	98,096	846,898,532	116,721	944,280,103	134,394	1,028,866,006	147,059
Butane	'000 bbls	2,144,543	2,787	2,361,599	3,139	2,951,439	4,010	5,116,744	6,996	6,246,767	8,211
Propane	'000 bbls	2,737,977	3,788	3,457,116	5,108	4,015,981	5,674	5,793,366	7,305	9,679,846	12,259
Total value		599,479		692,860		803,164		886,607		955,640	
<u>NEW BRUNSWICK</u>											
Crude oil	'000 bbls	12,024	14	10,333	15	7,391	10	4,688	7	4,103	6
Natural gas	Mcf.	105,951	158	108,306	152	119,031	126	103,066	110	99,381	100
Total value		172		167		136		117		106	
<u>ONTARIO</u>											
Crude oil	'000 bbls	1,149,087	3,547	1,134,534	3,661	1,205,376	3,840	1,246,682	4,014	1,279,162	4,093
Natural gas	Mcf.	14,690,699	5,671	15,841,568	5,874	15,854,934	6,025	13,738,588	5,225	12,619,867	5,762
Total value		9,218		9,535		9,865		9,239		9,855	
<u>MANITOBA</u>											
Crude oil	'000 bbls	4,480,348	10,156	3,959,517	9,515	3,772,979	9,182	4,399,810	10,256	4,955,998	11,552
<u>SASKATCHEWAN</u>											
Crude oil	'000 bbls	56,020,430	115,988	64,557,207	141,953	71,299,563	160,265	81,320,919	186,690	87,807,047	201,035
Condensate and pentanes plus	'000 bbls	224,982	466	265,774	584	271,972	611	285,623	656	255,381	585
Natural gas	Mcf.	26,326,701	2,747	28,060,296	2,951	29,396,870	3,267	31,283,734	3,659	33,771,436	4,172
Butane	'000 bbls	309,981	385	289,454	414	299,209	432	374,108	499	341,001	481
Propane	'000 bbls	241,310	423	414,041	724	554,944	894	628,005	1,032	662,579	1,104
Total value		120,009		146,626		165,469		192,536		207,377	
<u>ALBERTA</u>											
Crude oil	'000 bbls	157,656,979	372,064	164,319,648	374,012	167,655,692	423,709	175,292,235	448,961	183,422,171	471,246
Condensate and pentanes plus	'000 bbls	7,723,257	18,227	16,489,824	37,533	20,594,580	52,048	24,039,394	61,570	26,635,286	68,431
Natural gas	Mcf.	424,146,359	50,908	623,686,435	78,869	696,418,452	96,563	780,635,269	113,193	844,054,926	122,514
Butane	'000 bbls	1,524,613	1,875	1,809,863	2,279	2,361,600	3,075	4,415,178	5,930	5,588,467	7,181
Propane	'000 bbls	2,334,727	3,098	2,836,741	4,023	3,265,875	4,442	4,948,395	5,898	8,781,180	10,747
Total value		446,172		496,716		579,837		635,552		680,119	
<u>BRITISH COLUMBIA</u>											
Crude oil	'000 bbls	985,393	1,878	8,908,766	16,862	12,506,258	24,794	11,512,809	23,367	13,445,411	28,472
Condensate and pentanes plus	'000 bbls	787,853	1,501	846,781	1,603	855,129	1,695	949,638	1,927	977,901	2,071
Natural gas	Mcf.	95,448,888	8,819	108,133,615	10,226	105,061,589	10,719	118,485,105	12,193	138,277,328	14,493
Butane	'000 bbls	309,949	527	262,282	446	290,630	503	327,458	567	317,299	549
Propane	'000 bbls	161,940	267	206,334	361	195,162	338	216,966	375	236,087	408
Total value		12,992		29,498		38,049		38,429		45,993	
<u>NORTH WEST TERRITORIES AND YUKON</u>											
Crude oil	'000 bbls	526,197	743	590,101	779	602,296	605	619,571	464	649,784	620
Natural gas	Mcf.	41,678	17	56,689	24	47,656	21	34,341	14	43,068	18
Total value		760		803		626		478		638	

TABLE 7. Net Production Withdrawals and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

	1961		1962		1963		1964		1965	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
		\$'000		\$'000		\$'000		\$'000		\$'000
<u>CANADA</u>										
Crude oil '000 bbls	229,566,951	524,625	261,740,166	588,006	279,385,254	678,296	299,923,792	738,542	319,607,904	788,567
Natural gas Mcf.	634,130,669	72,023	894,671,614	104,061	993,388,491	124,458	1,134,210,700	145,657	1,236,798,361	158,938
Total value		596,648		692,067		802,754		884,199		947,505
<u>NEW BRUNSWICK</u>										
Crude oil '000 bbls	12,024	15	10,333	14	7,391	10	4,688	7	4,103	6
Natural gas Mcf.	96,318	143	95,750	135	103,522	110	105,055	112	105,359	106
Total value		158		149		120		119		112
<u>ONTARIO</u>										
Crude oil '000 bbls	1,149,087	3,547	1,134,534	3,661	1,205,376	3,840	1,246,682	4,014	1,279,162	4,093
Natural gas Mcf.	14,544,165	5,614	15,648,294	5,802	15,920,055	6,050	13,815,967	5,254	12,699,483	5,798
Total value		9,161		9,463		9,890		9,268		9,891
<u>MANITOBA</u>										
Crude oil '000 bbls	4,480,348	10,156	3,926,683	9,436	3,771,023	9,177	4,417,224	10,297	4,946,509	11,530
<u>SASKATCHEWAN</u>										
Crude oil '000 bbls	56,085,478	116,125	64,698,987	142,267	71,575,824	160,888	81,690,054	187,536	88,041,671	201,572
Natural gas Mcf.	36,486,690	3,392	37,786,716	3,782	38,647,251	4,078	39,573,996	4,389	42,734,910	5,030
Total value		119,517		146,049		164,966		191,925		206,602
<u>ALBERTA</u>										
Crude oil '000 bbls	165,493,685	390,565	181,610,271	413,363	188,844,652	477,260	199,482,672	510,915	210,241,493	540,152
Natural gas Mcf.	480,592,018	53,830	720,644,946	83,463	821,247,938	102,779	946,473,793	122,699	1,023,294,574	132,056
Total value		444,395		496,826		580,039		633,614		672,208
<u>BRITISH COLUMBIA</u>										
Crude oil '000 bbls	1,831,550	3,490	9,761,665	18,476	13,370,421	26,507	12,473,915	25,318	14,449,968	30,599
Natural gas Mcf.	102,369,800	9,027	120,439,219	10,856	117,422,069	11,420	134,207,548	13,189	157,920,967	15,930
Total value		12,517		29,332		37,927		38,507		46,529
<u>NORTH WEST TERRITORIES</u>										
Crude oil '000 bbls	514,779	727	597,693	789	610,567	614	608,557	455	644,998	615
Natural gas Mcf.	41,678	17	56,689	23	47,656	21	34,341	14	43,068	18
Total value		744		812		635		469		633

TABLE 8. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

	1961	1962	1963	1964	1965
CANADA					
\$'000					
<u>Geological and geophysical operations</u>					
Salaries and wages	22,479	22,734	19,982	20,663	21,739
Materials and supplies	3,850	3,561	3,483	3,823	5,064
Contractor and service payments	34,390	31,778	31,491	34,053	43,691
Totals	60,719	58,073	54,956	58,539	70,494
<u>Field and well operations</u>					
Salaries and wages	19,481	22,411	24,838	24,297	25,145
Materials and supplies	10,663	11,940	14,473	14,143	14,895
Contractor and service payments	47,760	53,397	65,191	64,209	68,663
Totals	77,904	87,748	104,502	102,649	108,703
<u>Natural gas processing plants</u>					
Salaries and wages	6,032	8,644	8,587	9,997	10,641
Materials and supplies	4,555	6,240	6,588	8,028	8,829
Contractor and service payments	8,308	11,428	12,557	14,584	16,276
Totals	18,895	26,312	28,002	32,609	35,746
<u>Other including land and lease acquisition and retention</u>					
Salaries and wages	4,527	6,488	6,782	5,511	9,406
Materials and supplies	332	410	529	425	767
Contractor and service payments	18,336	19,316	22,865	24,225	30,451
Retention(1)	58,487	64,677	60,589	62,778	97,946
Royalties	73,200	90,700	101,800	111,100	112,804
Taxes(excluding income tax)	8,500	6,800	7,300	9,300	11,540
Totals	163,382	188,391	199,865	213,339	262,914
<u>Grand totals</u>					
Salaries and wages	52,519	60,277	60,189	60,468	66,931
Materials and supplies	19,400	22,151	25,343	26,419	29,555
Contractor and service payments	98,891	104,682	118,770	123,540	145,001
Electricity	9,903	11,237	13,334	13,531	14,080
Retention(1)	58,487	64,677	60,589	62,778	97,946
Royalties	73,200	90,700	101,800	111,100	112,804
Taxes(excluding income tax)	8,500	6,800	7,300	9,300	11,540
Totals	320,900	360,524	387,325	407,136	477,857
ONTARIO					
<u>Geological and geophysical operations</u>					
Salaries and wages	153	166	150	154	212
Materials and supplies	19	20	21	22	18
Contractor and service payments	163	179	177	186	157
Totals	335	365	348	362	387
<u>Field and well operations</u>					
Salaries and wages	892	969	874	900	1,231
Materials and supplies	332	366	357	373	345
Contractor and service payments	1,494	1,647	1,605	1,681	1,535
Totals	2,718	2,982	2,836	2,954	3,111
<u>Natural gas processing plants</u>					
Salaries and wages	86	93	84	86	118
Materials and supplies	41	45	44	46	40
Contractor and service payments	68	74	74	77	65
Totals	195	212	202	209	223
<u>Other including land and lease acquisition and retention</u>					
Salaries and wages	64	70	64	65	87
Materials and supplies	3	3	3	3	3
Contractor and service payments	118	125	127	127	128
Retention(1)	1,186	1,319	1,232	1,322	1,340
Royalties .....	..	..	..	..	666
Taxes(excluding income tax) .....	..	..	..	..	307
Totals	1,371	1,517	1,426	1,517	2,531
<u>Grand totals</u>					
Salaries and wages	1,195	1,298	1,172	1,205	1,648
Materials and supplies	395	434	425	444	406
Contractor and service payments	1,738	1,923	1,875	1,957	1,765
Electricity	105	102	108	114	120
Retention(1)	1,186	1,319	1,232	1,322	1,340
Royalties .....	..	..	..	..	666
Taxes(excluding income tax) .....	..	..	..	..	307
Totals	4,619	5,076	4,812	5,042	6,252

See footnotes at end of table.

TABLE 8. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65 - Continued

	1961	1962	1963	1964	1965
	\$'000				
MANITOBA					
Geological and geophysical operations					
Salaries and wages	413	117	52	54	48
Materials and supplies	95	25	13	14	12
Contractor and service payments	510	138	68	72	66
Totals	1,018	280	133	140	126
Field and well operations					
Salaries and wages	924	856	739	678	668
Materials and supplies	227	202	192	177	183
Contractor and service payments	1,849	1,642	1,569	1,445	1,488
Totals	3,000	2,700	2,500	2,300	2,339
Natural gas processing plants					
Salaries and wages	-	-	-	-	-
Materials and supplies	-	-	-	-	-
Contractor and service payments	-	-	-	-	-
Totals	-	-	-	-	-
Other including land and lease aquisition and retention					
Salaries and wages	54	55	52	52	34
Materials and supplies	6	6	6	6	4
Contractor and service payments	100	100	100	300	92
Retention(1)	1,306	1,412	1,389	699	893
Royalties	1,500	1,200	1,100	1,300	1,614
Taxes (excluding income tax)	500	300	300	300	239
Totals	3,466	3,073	2,947	2,657	2,876
Grand totals					
Salaries and wages	1,391	1,028	843	784	750
Materials and supplies	328	233	211	197	199
Contractor and service payments	2,118	1,574	1,453	1,556	1,380
Electricity	341	306	284	261	266
Retention(1)	1,306	1,412	1,389	699	893
Royalties	1,500	1,200	1,100	1,300	1,614
Taxes (excluding income tax)	500	300	300	300	239
Totals	7,484	6,053	5,580	5,097	5,341
SASKATCHEWAN					
Geological and geophysical operations					
Salaries and wages	993	1,248	1,228	809	2,004
Materials and supplies	208	250	272	181	466
Contractor and service payments	1,741	2,099	2,283	1,518	3,912
Totals	2,942	3,597	3,783	2,508	6,382
Field and well operations					
Salaries and wages	3,636	4,086	5,239	5,438	6,539
Materials and supplies	1,849	2,006	2,806	2,926	3,680
Contractor and service payments	10,515	11,408	15,955	16,636	20,843
Totals	16,000	17,500	24,000	25,000	31,062
Natural gas processing plants					
Salaries and wages	369	445	362	333	303
Materials and supplies	302	347	305	279	271
Contractor and service payments	529	608	533	488	474
Totals	1,200	1,400	1,200	1,100	1,048
Other including land and lease acquisition and retention					
Salaries and wages	400	437	539	539	884
Materials and supplies	18	19	25	23	36
Contractor and service payments	2,871	2,860	3,829	2,874	2,980
Retention(1)	7,581	5,917	7,229	5,683	14,955
Royalties	15,000	18,800	22,000	24,500	25,686
Taxes (excluding income tax)	2,000	2,000	2,000	2,000	2,456
Totals	27,870	30,033	35,622	35,619	46,997
Grand totals					
Salaries and wages	5,398	6,216	7,368	7,119	9,730
Materials and supplies	2,377	2,622	3,408	3,409	4,453
Contractor and service payments	12,914	13,780	18,684	17,230	23,455
Electricity	2,742	3,195	3,916	4,286	4,754
Retention(1)	7,581	5,917	7,229	5,683	14,955
Royalties	15,000	18,800	22,000	24,500	25,686
Taxes (excluding income tax)	2,000	2,000	2,000	2,000	2,456
Totals	48,012	52,530	64,605	64,227	85,489

See footnotes at end of table.

TABLE 8. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65 - Continued

	1961	1962	1963	1964	1965
	\$'000				
ALBERTA					
Geological and geophysical operations					
Salaries and wages	14,477	16,204	12,990	14,724	16,037
Materials and supplies	2,154	2,302	2,069	2,345	2,694
Contractor and service payments	18,679	19,954	17,953	20,331	23,360
Totals	35,310	38,460	33,012	37,400	42,091
Field and well operations					
Salaries and wages	13,626	15,545	16,958	16,290	15,750
Materials and supplies	7,801	8,589	10,248	9,894	9,949
Contractor and service payments	32,573	35,866	42,794	41,316	41,699
Totals	54,000	60,000	70,000	67,500	67,398
Natural gas processing plants					
Salaries and wages	5,269	7,635	7,664	9,101	9,657
Materials and supplies	4,106	5,690	6,338	7,531	8,359
Contractor and service payments	7,125	9,875	10,998	13,068	14,531
Totals	16,500	23,200	25,000	29,700	32,547
Other including land and lease acquisition and retention					
Salaries and wages	2,821	2,856	2,908	4,057	5,573
Materials and supplies	230	236	263	333	454
Contractor and service payments	15,112	16,024	17,986	20,817	26,999
Retention(1)	40,469	48,639	42,913	46,140	71,083
Royalties	55,000	66,000	73,000	80,000	79,153
Taxes (excluding income tax)	5,500	4,000	4,500	6,500	8,267
Totals	119,132	137,755	141,570	157,847	191,529
Grand totals					
Salaries and wages	36,193	42,240	40,520	44,172	47,017
Materials and supplies	14,291	16,817	18,918	20,103	21,456
Contract and service payments	66,774	74,085	80,705	86,662	97,649
Electricity	6,715	7,634	9,026	8,870	8,940
Retention(1)	40,469	48,639	42,913	46,140	71,083
Royalties	55,000	66,000	73,000	80,000	79,153
Taxes (excluding income tax)	5,500	4,000	4,500	6,500	8,267
Totals	224,942	259,415	269,582	292,447	333,565
BRITISH COLUMBIA					
Geological and geophysical operations					
Salaries and wages	5,529	4,379	4,888	4,030	2,180
Materials and supplies	431	323	412	340	195
Contractor and service payments	5,531	4,138	5,280	4,366	2,502
Totals	11,491	8,840	10,580	8,736	4,877
Field and well operations					
Salaries and wages	333	890	963	953	930
Materials and supplies	206	531	624	626	634
Contractor and service payments	961	2,479	2,913	2,921	2,949
Totals	1,500	3,900	4,500	4,500	4,513
Natural gas processing plants					
Salaries and wages	308	471	477	477	563
Materials and supplies	106	158	171	172	159
Contractor and service payments	586	871	952	951	1,206
Totals	1,000	1,500	1,600	1,600	1,928
Other including land and lease acquisition and retention					
Salaries and wages	1,090	3,018	2,779	737	2,683
Materials and supplies	68	143	229	58	265
Contractor and service payments	56	131	220	38	245
Retention(1)	6,545	7,183	7,723	8,444	8,304
Royalties	1,500	4,480	5,500	5,200	5,500
Taxes (excluding income tax)	500	500	500	500	267
Totals	9,759	15,455	16,951	14,977	17,264
Grand totals					
Salaries and wages	7,260	8,758	9,107	6,197	6,356
Materials and supplies	811	1,155	1,436	1,196	1,253
Contract and service payments	7,134	7,619	9,365	8,276	6,902
Electricity	-	-	-	-	-
Retention(1)	6,545	7,183	7,723	8,444	8,304
Royalties	1,500	4,480	5,500	5,200	5,500
Taxes (excluding income tax)	500	500	500	500	267
Totals	23,750	29,695	33,631	29,813	28,582

See footnotes at end of table.

TABLE 8. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65 - Concluded

	1961	1962	1963	1964	1965
	\$'000				
<u>OTHER AREAS</u>					
<u>Geological and geophysical operations</u>					
Salaries and wages	914	620	674	892	1,258
Materials and supplies	943	641	696	921	1,679
Contractor and service payments	7,766	5,270	5,730	7,580	13,694
Totals	9,623	6,531	7,100	9,393	16,631
<u>Field and well operations</u>					
Salaries and wages	70	65	65	38	27
Materials and supplies	248	246	246	147	104
Contractor and service payments	368	355	355	210	149
Totals	686	666	666	395	280
<u>Natural gas processing plants</u>					
Salaries and wages	-	-	-	-	-
Materials and supplies	-	-	-	-	-
Contractor and service payments	-	-	-	-	-
Totals	-	-	-	-	-
<u>Other including land and lease acquisition and retention</u>					
Salaries and wages	98	72	440	61	145
Materials and supplies	7	3	3	2	5
Contractor and service payments	79	76	603	69	7
Retention(1)	1,400	207	103	490	1,371
Royalties	200	200	200	100	185
Taxes (excluding income tax)	-	-	-	-	4
Totals	1,784	558	1,349	722	1,717
<u>Grand totals</u>					
Salaries and wages	1,082	757	1,179	991	1,430
Materials and supplies	1,198	890	945	1,070	1,788
Contract and service payments	8,213	5,701	6,688	7,859	13,850
Electricity	-	-	-	-	-
Retention(1)	1,400	207	103	490	1,371
Royalties	200	200	200	100	185
Taxes (excluding income tax)	-	-	-	-	4
Totals	12,093	7,755	9,115	10,510	18,628

(1) Includes: Bonuses paid for acquisition of freeholders mineral rights, and some work commitments required to retain rights to crown lands, together with legal fees, land department costs, and rentals.

TABLE 9. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1961-65

	1961	1962	1963	1964	1965
	\$'000				
<u>CANADA</u>					
<u>Exploratory drilling</u>					
Dry	46,764	64,512	69,128	67,485	71,680
Productive - Oil	17,539	10,559	14,392	19,910	25,204
Gas/condensate	22,217	11,679	11,734	17,164	8,876
Totals	86,520	86,750	95,254	104,559	105,760
<u>Development drilling</u>					
Dry	13,763	15,750	13,659	17,079	20,792
Productive - Oil	90,066	78,392	87,871	93,515	97,981
Gas/condensate	35,737	24,424	19,735	15,957	19,410
Totals	139,566	118,566	121,265	126,551	138,183
<u>Total drilling</u>					
Salaries and wages	14,494	12,930	12,940	13,652	14,079
Materials and supplies	42,454	35,597	37,296	40,551	42,918
Contractor and service payments	169,138	156,789	166,283	176,907	186,946
Totals	226,086	205,316	216,519	231,110	243,943
<u>Oil field facilities</u>	27,600	24,125	26,100	35,401	54,328
Gas field facilities(2)	8,446	7,025	12,623	14,100	11,690
Secondary recovery facilities	7,100	11,150	18,800	15,500	15,250
Natural gas processing plants	61,600	20,700	36,700	42,700	36,120
Other buildings and machinery	10,000(3)	16,300(3)	20,500(3)	17,600(3)	8,174
Total capital formation(4)	-	-	-	-	369,505
Land sites(4)	-	-	-	-	579
Land acquisition(5)	54,426	48,985	60,170	107,966	152,812
Totals	395,258	333,601	391,412	464,377	522,896

See footnotes at end of table.

TABLE 9. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1961-65 - Continued

	1961	1962	1963	1964	1965
	\$'000				
<u>ONTARIO</u>					
<u>Exploratory drilling</u>					
Dry	1,000	1,104	1,042	1,083	1,155
Productive - Oil	143	159	159	159	178
Gas/condensate	161	194	161	194	209
Totals	1,304	1,457	1,362	1,436	1,542
<u>Development drilling</u>					
Dry	468	511	489	511	530
Productive - Oil	323	353	338	354	346
Gas/condensate	1,175	1,302	1,238	1,286	1,349
Totals	1,966	2,166	2,065	2,151	2,225
<u>Total drilling</u>					
Salaries and wages	269	291	262	271	371
Materials and supplies	561	627	597	625	637
Contractor and service payments	2,440	2,705	2,568	2,691	2,759
Totals	3,270	3,623	3,427	3,587	3,767
Oil field facilities	(6)	(6)	(6)	(6)	253
Gas field facilities	1,846	2,000	1,923	2,000	622
Secondary recovery facilities	(6)	(6)	(6)	(6)	34
Natural gas processing plants	(6)	(6)	(6)	(6)	716
Other buildings and machinery	(6)	(6)	(6)	(6)	397
Total capital formation(4) .....	..	..	..	..	5,789
Land sites	(6)	(6)	(6)	(6)	-
Land aquisition	-	-	-	-	-
Totals	5,116	5,623	5,350	5,587	5,789
<u>MANITOBA</u>					
<u>Exploratory drilling</u>					
Dry	382	280	400	420	470
Productive - Oil	-	140	267	140	109
Gas/condensate	-	-	-	-	-
Totals	382	420	667	560	579
<u>Development drilling</u>					
Dry	100	100	100	200	73
Productive - Oil	300	400	800	1,600	496
Gas/condensate	-	-	-	-	26
Totals	400	500	900	1,800	595
<u>Total drilling</u>					
Salaries and wages	62	68	104	156	81
Materials and supplies	168	225	391	675	253
Contractor and service payments	552	627	1,072	1,529	840
Totals	782	920	1,567	2,360	1,174
Oil field facilities	100	100	100	300	407
Gas field facilities	-	-	-	-	-
Secondary recovery facilities	100	150	300	300	155
Natural gas processing plants	-	-	-	-	-
Other buildings and machinery	-	50(3)	300(3)	100(3)	24
Total capital formation(4) .....	..	..	..	..	1,760
Land sites(4) .....	..	..	..	..	-
Land aquisition(5)	134	27	53	743	99
Totals	1,116	1,247	2,320	3,803	1,859

See footnotes at end of table.

TABLE 9. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1961-65 - Continued

	1961	1962	1963	1964	1965
	\$'000				
<u>SASKATCHEWAN</u>					
<u>Exploratory drilling</u>					
Dry	2,942	4,151	7,566	9,688	6,453
Productive - Oil	1,768	2,213	2,522	3,990	3,626
Gas/condensate	148	139	629	114	68
Totals	4,858	6,503	10,717	13,792	10,147
<u>Development drilling</u>					
Dry	1,515	2,708	2,627	3,728	4,229
Productive - Oil	14,077	11,483	16,291	19,706	20,354
Gas/condensate	108	109	1,682	1,066	1,063
Totals	15,700	14,300	20,600	24,500	25,646
<u>Total drilling</u>					
Salaries and wages	862	965	1,308	1,672	1,459
Materials and supplies	4,417	4,109	5,910	7,380	7,189
Contractor and service payments	15,279	15,729	24,099	29,240	27,145
Totals	20,558	20,803	31,317	38,292	35,793
Oil field facilities	5,500	5,500	8,000	11,000	17,733
Gas field facilities	100	100	1,000	500	1,011
Secondary recovery facilities	3,000	4,500	9,000	5,000	4,486
Natural gas processing plants	100	600	500	100	1,915
Other buildings and machinery	500(3)	600(3)	5,000(3)	2,000(3)	643
Total capital formation(4) .....	..	..	..	..	61,581
Land sites(4) .....	..	..	..	..	1
Land aquisition(5)	1,330	3,767	5,378	8,381	11,607
Totals	31,088	35,870	60,195	65,273	73,189
<u>ALBERTA</u>					
<u>Exploratory drilling</u>					
Dry	30,082	41,424	41,856	40,895	46,325
Productive - Oil	15,054	6,515	10,268	14,025	16,942
Gas/condensate	15,054	7,102	7,064	11,680	6,737
Totals	60,190	55,041	59,188	66,600	70,004
<u>Development drilling</u>					
Dry	11,156	9,996	9,304	11,567	14,151
Productive - Oil	70,128	56,415	67,367	67,775	70,238
Gas/condensate	29,216	17,189	12,829	11,458	14,475
Totals	110,500	83,600	89,500	90,800	98,864
<u>Total drilling</u>					
Salaries and wages	12,243	10,161	10,271	10,667	11,227
Materials and supplies	32,675	24,288	26,225	27,872	29,756
Contractor and service payments	125,772	104,192	112,192	118,861	127,885
Totals	170,690	138,641	148,688	157,400	168,868
Oil field facilities	20,500	16,000	16,000	21,501	31,410
Gas field facilities	5,000	3,000	8,000	9,500	9,483
Secondary recovery facilities	4,000	6,000	8,000	7,500	9,322
Natural gas processing plants	61,000	20,000	36,000	29,000	32,050
Other buildings and machinery	9,000(3)	15,000(3)	15,000(3)	13,500(3)	6,248
Total capital formation(4) .....	..	..	..	..	257,381
Land sites(4) .....	..	..	..	..	578
Land aquisition(5)	44,868	33,245	46,930	85,653	122,027
Totals	315,058	231,886	278,618	324,054	379,986

See footnotes at end of table.

TABLE 9. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1961-65 - Concluded

	1961	1962	1963	1964	1965
\$'000					
<u>BRITISH COLUMBIA</u>					
<u>Exploratory drilling</u>					
Dry	8,616	11,784	11,164	7,571	5,808
Productive - Oil	574	1,532	1,176	1,283	2,318
Gas/condensate	6,319	4,244	3,880	3,610	1,796
Totals	15,509	17,560	16,220	12,464	9,922
<u>Development Drilling</u>					
Dry	524	2,435	1,139	1,073	1,809
Productive - Oil	5,238	9,741	3,075	4,080	6,547
Gas/condensate	5,238	5,824	3,986	2,147	2,481
Totals	11,000	18,000	8,200	7,300	10,837
<u>Total drilling</u>					
Salaries and wages	1,007	1,393	932	759	770
Materials and supplies	4,360	6,083	3,846	3,225	3,749
Contractor and service payments	21,142	28,084	19,642	15,780	16,240
Totals	26,509	35,560	24,420	19,764	20,759
Oil field facilities	1,500	2,500	2,000	2,500	4,525
Gas field facilities	1,500	1,900	1,700	2,000	563
Secondary recovery facilities	-	500	1,500	2,700	1,253
Natural gas processing plants	500	100	200	13,600	1,439
Other buildings and machinery	500(3)	500(3)	200(3)	1,700(3)	698
Total capital formation(4) .....	..	..	..	..	29,237
Land sites(4) .....	..	..	..	..	-
Land acquisition(5)	7,642	11,373	7,092	13,094	18,161
Totals	38,151	52,433	37,112	55,358	47,398
<u>OTHER AREAS</u>					
<u>Exploratory drilling</u>					
Dry	3,742	5,769	7,100	7,828	11,469
Productive - Oil	-	-	-	313	2,031
Gas/condensate	535	-	-	1,566	66
Totals	4,277	5,769	7,100	9,707	13,566
<u>Development drilling</u>					
Dry	-	-	-	-	-
Productive - Oil	-	-	-	-	-
Gas/condensate	-	-	-	-	16
Totals	-	-	-	-	16
<u>Total drilling</u>					
Salaries and wages	51	52	63	127	171
Materials and supplies	273	265	327	774	1,334
Contractor and service payments	3,953	5,452	6,710	8,806	12,077
Totals	4,277	5,769	7,100	9,707	13,582
Oil field facilities	-	25	-	100	-
Gas field facilities	-	25	-	100	11
Secondary recovery facilities	-	-	-	-	-
Natural gas processing plants	-	-	-	-	-
Other buildings and machinery	-	150(3)	-	300(3)	164
Total capital formation(4) .....	..	..	..	..	13,757
Land sites(4) .....	..	..	..	..	-
Land acquisition(5)	452	573	717	95	918
Totals	4,729	6,542	7,817	10,302	14,675

(1) Does not include construction in Oil shale and bituminous sand pit processing plants.

(2) Includes Ontario Oil field facilities, Secondary recovery facilities, Natural gas processing plants. Other buildings and machinery together with Gas field facilities.

(3) Includes Other buildings and machinery along with cost of Land sites.

(4) Land site costs in 1961-1964 not segregated from categories of construction projects.

(5) Includes cash bonuses paid for Crown permits, reservations and leases.

(6) Included in Gas field facilities.

TABLE 10. Supply and Disposition of Natural Gas

1961	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	N.W.T.	Canada
<u>Supply</u>									
Gross new production	96,318	-	14,544,165	-	58,099,196	556,408,335	103,262,394	460,848	732,871,256
Less field flared and waste	-	-	-	-	21,107,441	53,223,035	892,594	419,170	75,642,240
Net new production	96,318	-	14,544,165	-	36,991,755	503,185,300	102,369,800	41,678	657,229,016
Reproduced	-	-	-	-	-	6,989,567	-	-	6,989,567
Less injected and stored	-	-	-	-	505,065	29,582,849	-	-	30,087,914
Net withdrawals	96,318	-	14,544,165	-	36,486,690	480,592,018	102,369,800	41,678	634,130,669
Field disposition and uses	-	-	65,055	-	1,678,315	6,509,454	658,481	-	8,911,305
Gathering system disposition and uses	-	-	-	-	-	2,314,947	-	-	2,314,947
Processing plant disposition and uses:									
Processing shrinkage	-	-	-	-	4,000,000	32,081,818	4,678,753	-	40,760,571
Other disposition and uses	-	-	-	-	-	20,510,641	2,916,216	-	23,426,857
Other uses	-	-	-	-	2,412,566	-	-	-	2,412,566
Adjustment	- 9,633	-	- 211,589	-	2,069,108	- 4,971,201	- 1,332,538	-	- 4,455,853
Deliveries of marketable gas - By plants	-	-	-	-	-	-	-	-	-
By fields	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	105,951	-	14,690,699	-	26,326,701	424,146,359	95,448,888	41,678	560,760,276
Imports	-	-	5,407,284	-	-	73,606	-	-	5,480,890
Totals	105,951	-	20,097,983	-	26,326,701	424,219,965	95,448,888	41,678	566,241,166
Receipts from distributor storage	-	-	21,388,435	-	411,198	3,221,765	-	-	25,021,398
Other receipts	10,090	-	58,009	-	-	284	-	-	68,383
Transfers - In	-	24,802,577	141,361,361	218,907,387	229,888,171	59,628	30,213,396	-	...
Out	-	-	24,802,577	141,361,361	218,907,387	260,101,567	59,628	-	...
Net transfer	-	24,802,577	116,558,784	77,546,026	10,980,784	260,041,939	30,153,768	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	-	...
Total net utility supply	116,041	24,802,577	158,103,211	77,546,026	37,718,683	167,400,075	125,602,656	-	591,289,269
<u>Disposition</u>									
Sales:									
Residential	78,088	5,600,633	47,904,750	6,331,904	11,671,640	36,984,188	11,095,821	-	119,667,024
Industrial	-	16,904,769	61,541,428	6,667,756	18,269,531	77,781,696	13,637,560	-	194,802,740
Commercial	10,271	1,704,957	15,684,667	3,489,142	5,496,841	26,008,765	3,875,135	-	56,269,778
Total sales	88,359	24,210,359	125,130,845	16,488,802	35,438,012	140,774,649	28,608,516	-	370,739,542
Exports									
Other deliveries	-	-	-	59,138,862	-	15,870,156	93,903,736	-	168,912,754
Delivered to distributor storage	-	-	56,624	-	-	3,447,859	-	-	3,504,483
Pipeline line pack fluctuation	-	-	24,878,233	-	574,929	4,213,509	-	-	29,666,671
Pipeline fuel	-	- 971	291,743	-	51,228	869,433	340,276	-	1,551,709
Pipeline losses etc.	27,682	211,963	4,621,403	1,972,500	2,612,838	477,398	2,546,666	-	12,442,768
		381,226	3,124,363	- 54,138	- 958,324	1,747,071	203,462	-	4,471,342
Total disposition	116,041	24,802,577	158,103,211	77,546,026	37,718,683	167,400,075	125,602,656	-	591,289,269

TABLE 10. Supply and Disposition of Natural Gas - Continued

1963	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	N.W.T.	Canada
<u>Supply</u>									
Gross new production	103,522	-	15,920,055	-	59,215,241	995,599,564(1)	133,027,072	710,324	1,204,575,778
Less field flared and waste	-	-	-	-	19,494,703	50,117,894	15,605,003	662,668	85,880,268
Net new production	103,522	-	15,920,055	-	39,720,538	945,481,670	117,422,069	47,656	1,118,695,510
Reproduced	-	-	-	-	-	4,239,272	-	-	4,239,272
Less injected and stored	-	-	-	-	-	-	-	-	-
Net withdrawals	103,522	-	15,920,055	-	1,073,287	128,473,004	-	-	129,546,291
Fields disposition and uses	-	-	60,080	-	38,647,251	821,247,938	117,422,069	47,656	993,388,491
Gathering system disposition and uses	-	-	-	-	1,552,176	8,031,340	302,189	-	9,945,785
Processing plant disposition and uses:	-	-	-	-	627,195	2,831,687	-	-	3,458,882
Processing shrinkage	-	-	-	-	1,937,749	79,696,114	5,458,834	-	87,092,697
Other disposition and uses	-	-	-	-	2,182,452	36,855,658	6,687,218	-	45,725,328
Other uses	-	-	-	-	2,941,998	935,652(2)	-	-	3,877,650
Adjustment	- 15,509	-	5,041	-	8,811	- 3,520,965	- 87,761	-	- 3,610,383
Deliveries of marketable gas - By plants ..	-	-	-	-	-	-	-	-	-
By fields ..	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	119,031	-	15,854,934	-	29,396,870	696,418,452	105,061,589	47,656	846,898,532
Imports	-	-	6,747,659	-	-	75,715	-	-	6,823,374
Totals	119,031	-	22,602,593	-	29,396,870	696,494,167	105,061,589	47,656	853,721,906
Receipts from distributor storage	-	-	25,243,381	-	932,722	1,453,677	-	-	27,629,780
Other receipts	-	-	3,367	157,476	-	74,445	22,110	-	257,398
Transfers - In	-	28,357,736	188,990,019	278,003,694	299,579,702	-	202,992,306	-	...
Out	-	-	28,357,736	188,990,019	278,003,694	502,572,008	-	-	...
Net transfer	-	28,357,736	160,632,283	89,013,675	21,576,008	502,572,008	202,992,306	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	47,656	47,656
Total net utility supply	119,031	28,357,736	208,481,624	89,171,151	51,905,600	195,450,281	308,076,005	-	881,561,428
<u>Disposition</u>									
Sales:									
Residential	61,346	7,452,852	61,960,454	9,644,937	14,087,200	39,249,534	13,400,045	-	145,856,368
Industrial	-	17,675,633	83,574,840	6,666,556	21,304,576	88,587,278	17,569,906	-	235,378,789
Commercial	19,228	2,032,468	22,083,670	6,384,557	6,458,216	28,868,901	4,516,101	-	70,363,141
Total sales	80,574	27,160,953	167,618,964	22,696,050	41,849,992	156,705,713	35,486,052	-	451,598,298
Exports	-	-	1,741,390	62,785,044	-	27,255,431	267,824,395	-	359,606,260
Other deliveries	-	-	5,426	-	-	828,040	-	-	833,466
Delivered to distributor storage	-	-	27,066,500	-	2,856,838	6,037,243	-	-	35,960,581
Pipeline line pack fluctuation	-	775	139,472	22,999	59,944	174,076	6,379	-	403,645
Pipeline fuel	-	327,302	7,422,899	3,308,722	7,059,472	699,505	2,377,162	-	21,195,062
Pipeline losses etc.	38,457	868,706	4,486,973	358,336	79,354	3,750,273	2,382,017	-	11,964,116
Total disposition	119,031	28,357,736	208,481,624	89,171,151	51,905,600	195,450,281	308,076,005	-	881,561,428

See footnotes at end of table.

TABLE 10. Supply and Disposition of Natural Gas - Continued

1964	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	N.W.T.	Canada
<u>Supply</u>									
Gross new production	105,055	-	13,815,967	-	62,281,321	1,174,112,186(1)	146,105,999	768,095	1,397,188,623
Less field flared and waste	-	-	-	-	21,795,526	47,028,591	10,609,053	733,754	80,166,924
Net new production	105,055	-	13,815,967	-	40,485,795	1,127,083,595	135,496,946	34,341	1,317,021,699
Reproduced	-	-	-	-	-	2,993,097	-	-	2,993,097
Less injected and stored	-	-	-	-	911,799	183,602,899	1,289,398	-	185,804,096
Net withdrawals	105,055	-	13,815,967	-	39,573,996	946,473,793	134,207,548	34,341	1,134,210,700
Field disposition and uses	1,989	-	77,379	-	1,501,228	9,132,549	825,922	-	11,539,067
Gathering system disposition and uses	-	-	-	-	562,370	3,652,943	-	-	4,215,313
Processing plant disposition and uses:	-	-	-	-	2,057,479	100,277,280	6,037,578	-	108,372,337
Processing shrinkage	-	-	-	-	1,653,721	48,833,406	8,086,434	-	58,573,561
Other disposition and uses	-	-	-	-	2,499,126	687,290	-	-	3,186,416
Other uses	-	-	-	-	16,338	3,255,056	772,509	-	4,043,903
Adjustment	-	-	-	-	-	-	-	-	-
Deliveries of marketable gas - by plants	-	-	-	-	-	-	-	-	-
by fields	-	-	-	-	-	-	-	-	-
Total marketable gas delivered	103,066	-	13,738,588	-	31,283,734	780,635,269	118,485,105	34,341	944,280,103
Imports	-	-	9,550,826	-	-	90,858	-	-	9,641,684
Totals	103,066	-	23,289,414	-	31,283,734	780,726,127	118,485,105	34,341	953,921,787
Receipts from distributor storage	-	-	23,957,641	-	1,787,643	1,433,907	-	-	27,179,191
Other receipts	-	-	770	176,704	-	47,442	108,211	-	333,127
Transfers - In	-	34,042,278	224,609,944	329,359,517	357,334,804	577,732,177	220,397,373	-	...
Out	-	-	34,042,278	224,609,944	329,359,517	-	-	-	...
Net transfer	-	34,042,278	190,567,666	104,749,573	27,975,287	-	220,397,373	-	...
Miscellaneous deliveries	-	-	-	-	-	-	-	34,341	34,341
Total net utility supply	103,066	34,042,278	237,815,491	104,926,277	61,046,664	204,475,299	338,990,689	-	981,399,764
<u>Disposition</u>									
Sales:									
Residential	63,186	8,708,334	68,855,096	12,001,524	15,472,916	42,328,609	16,196,066	-	163,625,731
Industrial	-	22,124,940	96,945,889	7,813,358	22,989,270	86,647,262	20,881,612	-	257,402,331
Commercial	-	2,333,218	28,452,790	7,953,192	7,346,971	31,852,857	5,536,298	-	83,475,326
Total sales	63,186	33,166,492	194,253,775	27,768,074	45,809,157	160,828,728	42,613,976	-	504,503,388
Exports	-	-	2,078,187	71,365,685	-	27,880,487	290,915,070	-	392,239,429
Other deliveries	-	-	6,133	-	-	2,695,592	-	-	2,701,725
Delivered to distributor storage	-	-	26,112,458	-	2,767,910	6,635,260	-	-	35,515,628
Pipeline line pack fluctuation	-	-	257,342	60,360	48,069	249,093	70,190	-	683,907
Pipeline fuel	-	-	10,963,813	4,836,998	10,217,640	1,147,404	2,875,518	-	30,126,023
Pipeline losses etc.	39,880	792,283	4,143,783	895,160	2,203,888	5,038,735	2,515,935	-	15,629,664
Total disposition	103,066	34,042,278	237,815,491	104,926,277	61,046,664	204,475,299	338,990,689	-	981,399,764

See footnotes at end of table.

TABLE 11. Supply and Disposition of Crude Oil and Equivalent, by Source

1961	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
	barrels of 35 Canadian gallons									
<u>Supply</u>										
Domestic production										
Crude oil	12,024	1,149,087	4,480,348	55,859,519	157,768,576	1,017,826	514,779	220,802,159	-	220,802,159
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	-	3,320,758	813,724(1)	-	8,764,792 ¹	-	8,764,792 ¹
Pentanes plus	-	-	-	225,959	4,404,351	..	-	..	-	..
Net withdrawals	12,024	1,149,087	4,480,348	56,085,478	165,493,685	1,831,550	514,779	229,566,951	-	229,566,951
Imports	-	-	-	-	-	-	-	-	133,265,463	133,265,463
Total supply	12,024	1,149,087	4,480,348	56,085,478	165,493,685	1,831,550	514,779	229,566,951	133,265,463	362,832,414
<u>Disposition</u>										
Deliveries to refineries										
Atlantic Provinces	-	-	-	-	-	-	-	-	30,885,436	30,885,436
Quebec	-	-	-	-	-	-	-	-	99,966,024	99,966,024
Ontario	-	1,149,183	3,552,647	31,836,766	44,012,578	-	-	80,551,174	2,374,288	82,925,462
Manitoba	-	-	930,545	7,573,161	3,193,660	-	-	11,697,366	-	11,697,366
Saskatchewan	-	-	-	2,075,077	15,470,340	-	-	17,545,417	-	17,545,417
Alberta	-	-	-	627,915	25,023,740	67,438	-	25,719,093	-	25,719,093
British Columbia	-	-	-	-	23,895,575	1,065,105	-	24,960,680	-	24,960,680
Northwest Territories	-	-	-	-	-	-	526,197	526,197	-	526,197
Totals	-	1,149,183	4,483,192	42,112,919	111,595,893	1,132,543	526,197	160,999,927	133,225,748	294,225,675
Exports to U.S.A.										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	33,144,428	78,697	-	33,223,125	-	33,223,125
East of Rocky Mountains	-	-	-	-	110,616	-	-	110,616	-	110,616
Great Lakes Area	-	-	58,252	14,440,253	19,432,789	-	-	33,931,294	-	33,931,294
Totals	-	-	58,252	14,440,253	52,687,833	78,697	-	67,265,035	-	67,265,035
Deliveries to other purchasers ..	12,024	-	-	-	206,277	14,939	-	233,240	-	233,240
<u>Inventories</u>										
Opening - Field and plant .....	-	..	..	..	..	..	..	..	..	..
Transporters' .....	-	..	..	..	..	..	..	..	..	..
Closing - Field and plant .....	-	..	..	..	..	..	..	..	..	..
Transporters' .....	-	..	..	..	..	..	..	..	..	..
Net change	-	..	30,000	- 358,150	828,415	379,154	- 11,418	868,001	91,879	959,880
Pipeline fuel	-	-	-	-	-	-	-	-	-	-
Field and plant use	-	-	-	-	39,929	-	-	39,929	-	39,929
Losses and adjustments	-	- 96	- 91,096	- 109,544	135,338	226,217	-	160,819	- 52,164	108,655
Total disposition	12,024	1,149,087	4,480,348	56,085,478	165,493,685	1,831,550	514,779	229,566,951	133,265,463	362,832,414

See footnotes at end of table.

TABLE 11. Supply and Disposition of Crude Oil and Equivalent, by Source - Continued

1962	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
Supply										
Domestic production										
Crude oil	10,333	1,134,534	3,926,683	64,432,411	165,131,140	8,914,220	597,693	244,147,014	-	244,147,014
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	-	7,052,436	847,445 (1)	-	17,593,152 ¹	-	17,593,152 ¹
Pentanes plus	-	-	-	266,576	9,426,695	-	-	-	-	-
Net withdrawals	10,333	1,134,534	3,926,683	64,698,987	181,610,271	9,761,665	597,693	261,740,166	-	261,740,166
Imports	-	-	-	-	-	-	-	-	135,349,037	135,349,037
Total supply	10,333	1,134,534	3,926,683	64,698,987	181,610,271	9,761,665	597,693	261,740,166	135,349,037	397,089,203
Disposition										
Deliveries to refineries										
Atlantic Provinces	-	-	-	-	-	-	-	-	31,726,732	31,726,732
Quebec	-	-	-	-	-	-	-	-	103,110,251	103,110,251
Ontario	-	1,136,951	3,474,665	37,903,365	42,214,409	-	-	84,729,390	527,838	85,257,228
Manitoba	-	-	468,644	9,265,358	2,696,260	-	-	12,430,262	-	12,430,262
Saskatchewan	-	-	-	3,369,035	16,638,332	-	-	20,007,367	-	20,007,367
Alberta	-	-	-	586,739	27,213,724	86,092	-	27,886,555	-	27,886,555
British Columbia	-	-	-	-	19,431,279	8,696,538	-	28,127,817	-	28,127,817
Northwest Territories	-	-	-	-	-	-	583,777	583,777	-	583,777
Totals	-	1,136,951	3,943,309	51,124,497	108,194,004	8,782,630	583,777	173,765,168	135,364,821	309,129,989
Exports to U.S.A.										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	45,370,984	493,533	-	45,864,517	-	45,864,517
East of Rocky Mountains	-	-	-	-	1,048,986	-	-	1,048,986	-	1,048,986
Great Lakes Area	-	-	40,400	14,509,825	24,663,783	-	-	39,214,008	-	39,214,008
Totals	-	-	40,400	14,509,825	71,083,753	493,533	-	86,127,511	-	86,127,511
Deliveries to other purchasers ..										
Inventories										
Opening - Field and plant	10,333	-	-	23,385	278,519	57,389	-	369,626	-	369,626
Transporters'	-	106,500	43,000	518,572	1,285,687	57,811	52,378	2,020,948	-	2,020,948
Closing - Field and plant	-	..	73,666	6,251,663	13,549,383	290,354	-	20,104,400	264,934	20,369,334
Transporters'	-	..	13,121	394,578	1,177,771	63,929	59,970	1,769,914	-	1,769,914
Net change	-	..	- 32,713	- 1,452,710	719,453	775,000	7,592	20,372,056	209,733	20,581,789
Pipeline fuel	-	-	-	-	908,715	-	-	16,622	- 55,201	- 38,579
Field and plant use	-	-	-	-	425,827	-	-	908,715	-	908,715
Losses and adjustments	-	- 2,417	- 24,313	493,990	-	- 346,887	6,324	552,524	39,417	591,741
Total disposition	10,333	1,134,534	3,926,683	64,698,987	181,610,271	9,761,665	597,693	261,740,166	135,349,037	397,089,203

See footnotes at end of table.

TABLE 11. Supply and Disposition of Crude Oil and Equivalent, by Source - Continued

1963	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
Supply										
Domestic production										
Crude oil	7,391	1,205,376	3,771,023	71,302,572	168,233,302	12,515,010	610,567	257,645,241	-	257,645,241
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate	-	-	-	-	3,148,426	13,671	-	3,162,097	-	3,162,097
Pentanes plus	-	-	-	273,252	17,462,924	841,760	-	18,577,916	-	18,577,916
Net withdrawals	7,391	1,205,376	3,771,023	71,575,824	188,844,652	13,370,421	610,567	279,385,254	-	279,385,254
Imports	-	-	-	-	-	-	-	-	146,644,737	146,644,737
Total supply	7,391	1,205,376	3,771,023	71,575,824	188,844,652	13,370,421	610,567	279,385,254	146,644,737	426,029,991
Disposition										
Deliveries to refineries	8,058	-	-	-	-	-	-	8,058	35,636,529	35,644,587
Atlantic Provinces	-	-	-	-	-	-	-	-	110,221,000	110,221,000
Quebec	-	-	-	42,376,120	48,199,572	-	-	94,943,838	729,435	95,673,273
Ontario	-	1,207,125	3,161,021	9,848,650	2,022,806	-	-	12,465,840	-	12,465,840
Manitoba	-	-	594,384	3,647,659	16,847,938	-	-	20,495,597	-	20,495,597
Saskatchewan	-	-	-	298,671	30,236,636	53,431	-	30,588,738	-	30,588,738
Alberta	-	-	-	-	14,379,258	12,062,811	-	26,442,069	-	26,442,069
British Columbia	-	-	-	-	-	-	594,210	594,210	-	594,210
Northwest Territories	-	-	-	-	-	-	-	-	-	-
Totals	8,058	1,207,125	3,755,405	56,171,100	111,686,210	12,116,242	594,210	185,538,350	146,586,964	332,125,314
Exports to U.S.A.	-	-	-	-	-	-	-	-	-	-
Northwest Area:	-	-	-	-	44,881,225	1,136,173	-	46,017,398	-	46,017,398
West of Rocky Mountains	-	-	-	-	4,061,806	-	-	4,061,806	-	4,061,806
East of Rocky Mountains	-	-	-	-	-	-	-	-	-	-
Great Lakes Area	-	-	-	15,262,737	25,287,613	-	-	40,550,350	-	40,550,350
Totals	-	-	-	15,262,737	74,230,644	1,136,173	-	90,629,554	-	90,629,554
Deliveries to other purchasers ..	-	-	-	11,763	97,393	15,779	-	124,935	-	124,935
Inventories	-	-	-	-	-	-	-	-	-	-
Opening - Field and plant	-	-	73,666	394,578	1,177,771	63,929	59,970	1,769,914	-	1,769,914
Transporters'	-	-	13,121	4,922,947	14,376,752	1,059,236	-	20,372,056	209,733	20,581,789
Closing - Field and plant	-	-	71,710	395,955	1,260,348	62,585	68,241	1,858,839	-	1,858,839
Transporters'	-	-	12,400	4,629,543	14,890,535	1,129,607	-	20,662,085	273,014	20,935,099
Net change	-	-	- 2,677	- 292,027	596,360	69,027	8,271	378,954	63,281	442,235
Pipeline fuel	-	-	-	-	327,574	-	-	327,574	-	327,574
Field and plant use	-	-	-	2,912	511,803	10,378	-	525,093	-	525,093
Losses and adjustments	- 667	- 1,749	18,295	419,339	1,394,668	22,822	8,086	1,860,794	- 5,508	1,855,286
Total disposition	7,391	1,205,376	3,771,023	71,575,824	188,844,652	13,370,421	610,567	279,385,254	146,644,737	426,029,991

TABLE 11. Supply and Disposition of Crude Oil and Equivalent, by Source - Continued

1964	New Brunswick	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
Supply										
Domestic production										
Crude oil	4,688	1,246,682	4,417,224	81,404,430	175,452,275	11,525,467	608,557	274,659,323	-	274,659,323
Less returned to formation	-	-	-	-	-	-	-	-	-	-
Condensate										
Pentanes plus	-	-	-	-	731,483	26,237	-	757,720	-	757,720
Net withdrawals										
Imports	4,688	1,246,682	4,417,224	81,690,054	199,482,672	12,473,915	608,557	299,923,792	-	299,923,792
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TABLE 11. Supply and Disposition of Crude Oil and Equivalent, by Source - Concluded

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
Supply										
Domestic production										
Crude oil	4,103	1,279,162	4,946,509	87,788,935	188,294,675	13,470,757	644,998	296,429,139	-	296,429,139
Less returned to formation	-	-	-	-	4,688,770	-	-	4,688,770	-	4,688,770
Condensate	-	-	-	-	549,764	31,782	-	581,546	-	581,546
Pentanes plus	-	-	-	252,736	26,085,824	947,429	-	27,285,989	-	27,285,989
Net withdrawals	4,103	1,279,162	4,946,509	88,041,671	210,241,493	14,449,968	644,998	319,607,904	-	319,607,904
Imports	-	-	-	-	-	-	-	-	144,203,609	144,203,609
Total supply	4,103	1,279,162	4,946,509	88,041,671	210,241,493	14,449,968	644,998	319,607,904	144,203,609	463,811,513
Disposition										
Deliveries to refineries										
Atlantic Provinces	4,103	242	-	-	-	-	-	4,345	37,769,904	37,774,249
Quebec	-	-	-	-	-	-	-	-	105,577,861	105,577,861
Ontario	-	1,279,079	4,430,799	49,987,539	53,659,178	-	-	109,356,595	652,891	110,009,486
Manitoba	-	-	661,076	7,922,241	5,811,489	-	-	14,394,806	-	14,394,806
Saskatchewan	-	-	-	4,552,442	16,766,805	-	-	21,319,247	-	21,319,247
Alberta	-	-	-	664,250	32,727,333	-	-	33,391,583	-	33,391,583
British Columbia	-	-	-	-	17,875,203	11,574,008	-	29,449,211	-	29,449,211
Northwest Territories	-	-	-	-	-	-	665,556	665,556	-	665,556
Totals	4,103	1,279,321	5,091,875	63,126,472	126,840,008	11,574,008	665,556	208,581,343	144,000,656	352,581,999
Exports to U.S.A.										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	49,678,898	2,377,495	-	52,056,393	-	52,056,393
East of Rocky Mountains	-	-	-	-	4,730,897	-	-	4,730,897	-	4,730,897
Great Lakes Area	-	-	-	24,499,310	26,410,233	-	-	50,909,543	-	50,909,543
Totals	-	-	-	24,499,310	80,820,028	2,377,495	-	107,696,833	-	107,696,833
Deliveries to other purchasers ..	-	-	-	16,221	91,201	29,390	-	136,812	-	136,812
Inventories										
Opening - Field and plant .....	..	-	89,124	468,711	1,260,911	54,533	57,227	1,930,506	-	1,930,506
Transporters' .....	..	-	13,098	4,831,187	15,003,340	1,084,498	-	20,932,123	198,412	21,130,535
Closing - Field and plant .....	..	-	79,632	433,354	1,230,772	81,189	52,441	1,877,388	-	1,877,388
Transporters' .....	..	-	13,856	5,034,991	16,123,646	1,551,825	-	22,724,318	388,856	23,113,174
Net change .....	..	-	- 8,734	168,447	1,090,167	493,983	- 4,786	1,739,077	190,444	1,929,521
Pipeline fuel	-	-	-	-	325,774	-	-	325,774	-	325,774
Field and plant use	-	-	-	14,600	159,515	-	-	174,115	-	174,115
Losses and adjustments	-	- 159	- 136,632	216,621	914,800	- 24,908	- 15,772	953,950	12,509	966,459
Total disposition	4,103	1,279,162	4,946,509	88,041,671	210,241,493	14,449,968	644,998	319,607,904	144,203,609	463,811,513

(1) Condensate and Pentanes plus combined. (2) A breakdown of the inventories held at fields and plants on the one hand and by transporters on the other is not available, and thus net change is shown in total.

TABLE 12. Employees and their Earnings for the Crude Petroleum and Natural Gas Industry (S.I.C. 063), 1957-63

Note: Basis: Revised standard industrial classification and new establishment concept

	Employees				Total	Man-hours worked-all employees	Earnings		
	Administration		Workmen				Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number					'000	\$'000		
1957	1,427	282	3,807	78	5,594	13,856	8,929	18,450	27,379
1958	1,377	250	3,240	43	4,910	11,886	9,139	15,093	24,232
1959	1,132	236	3,352	45	4,765	10,395	8,693	16,814	25,507
1960	1,059	187	3,068	35	4,349	9,306	7,900	15,677	23,577
1961	886	175	3,082	14	4,157	9,008	7,017	16,631	23,648
1962	845	172	2,934	27	3,978	8,591	6,756	16,520	23,276
1963	671	129	2,836	21	3,657	7,460	5,372	16,451	21,823

TABLE 13. Employees, Man-hours and Earnings for the Natural Gas Processing Industry (S.I.C. 065), 1957-63

Note: Basis: Revised standard industrial classification and new establishment concept

	Employees				Total	Man-hours worked-all employees	Earnings		
	Administration		Workmen				Adminis- tration	Workmen	Total
	Male	Female	Male	Female					
	number					'000	\$'000		
1957	49	3	218	-	270	577	288	1,121	1,409
1958	69	7	334	1	411	826	469	1,624	2,093
1959	63	2	394	2	461	936	457	2,069	2,526
1960	152	20	496	1	669	1,405	1,010	2,780	3,790
1961	171	16	557	-	744	1,539	1,229	3,248	4,477
1962	174	18	653	-	845	1,761	1,332	4,231	5,563
1963	201	17	743	-	961	2,038	1,547	4,765	6,312

TABLE 14. Employees and their Earnings for the Crude Petroleum and Natural Gas Industry (S.I.C. 063), 1961-63

Note: Basis: Revised standard industrial classification and new establishment concept

	Employees				Total	Earnings		
	Office and administration		Workmen			Office and Adminis- tration	Workmen	Total
	Male	Female	Male	Female				
	number					\$'000		
<u>1961</u>								
New Brunswick	-	-	12	-	12	-	41	41
Ontario	17	14	179	-	210	89	489	578
Manitoba	18	2	74	-	94	113	357	470
Saskatchewan	277	50	526	3	856	2,110	2,702	4,812
Alberta	457	102	2,096	11	2,666	3,856	11,774	15,630
British Columbia	116	7	174	-	297	838	1,088	1,926
Nortwest Territories	1	-	21	-	22	11	180	191
Totals	886	175	3,082	14	4,157	7,017	16,631	23,648
<u>1962</u>								
New Brunswick	-	-	11	-	11	-	35	35
Ontario	15	10	143	-	168	96	466	562
Manitoba	8	-	37	-	45	19	163	182
Saskatchewan	243	45	518	2	808	1,851	2,633	4,484
Alberta	426	95	2,001	25	2,547	3,568	11,863	15,431
British Columbia	151	22	215	-	388	1,206	1,305	2,511
Nortwest Territories	2	-	9	-	11	16	55	71
Totals	845	172	2,934	27	3,978	6,756	16,520	23,276
<u>1963</u>								
New Brunswick	-	-	9	-	9	-	33	33
Ontario	13	7	120	-	140	87	428	515
Manitoba	16	3	61	1	81	114	297	411
Saskatchewan	134	28	502	6	670	1,047	2,691	3,738
Alberta	407	85	1,816	11	2,319	3,427	10,659	14,086
British Columbia	88	6	313	3	410	609	2,235	2,844
Nortwest Territories	13	-	15	-	28	88	108	196
Totals	671	129	2,836	21	3,657	5,372	16,451	21,823

TABLE 15. Employees, Salaries and Wages for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-65

Note: Bases: Revised standard industrial classification and new establishment concept

	Employees						Salaries and wages		
	Production and related workers		Management, professional, technical and administrative		Total		Production and related workers	Management, professional, technical and administrative	Total
	Male	Female	Male	Female	Male	Female	Manufacturing		
	number						\$'000		
1961									
New Brunswick	12	-	3	-	15	-	41	15	56
Ontario	279	-	83	35	362	35	806	687	1,493
Manitoba	74	-	28	6	102	6	357	172	529
Saskatchewan	542	3	472	110	1,014	113	2,787	3,803	6,590
Alberta	2,410	11	5,129	1,598	7,539	1,609	13,513	46,400	59,913
British Columbia	112	-	221	34	333	34	654	1,753	2,407
Yukon, Northwest Territories and Arctic Islands	21	-	1	-	22	-	180	11	191
Canada	3,450	14	5,937	1,783	9,387	1,797	18,338	52,841	71,179
1962									
New Brunswick	11	-	3	-	14	-	35	13	48
Ontario	243	-	74	31	317	31	812	816	1,628
Manitoba	55	-	24	7	79	7	256	171	427
Saskatchewan	528	2	404	98	932	100	2,707	3,182	5,889
Alberta	2,446	25	5,181	1,591	7,627	1,616	14,654	49,300	63,954
British Columbia	171	-	277	50	448	50	1,023	2,285	3,308
Yukon, Northwest Territories and Arctic Islands	9	-	2	-	11	-	55	16	71
Canada	3,463	27	5,965	1,777	9,428	1,804	19,542	55,783	75,325
1963									
New Brunswick	9	-	2	-	11	-	33	15	48
Ontario	220	-	70	22	290	22	769	700	1,469
Manitoba	58	1	19	4	77	5	296	136	432
Saskatchewan	513	6	426	111	939	117	2,770	3,511	6,281
Alberta	2,356	24	5,251	1,630	7,607	1,654	14,102	50,062	64,164
British Columbia	173	3	263	48	436	51	1,202	2,220	3,422
Yukon, Northwest Territories and Arctic Islands	15	-	13	-	28	-	108	88	196
Canada	3,344	34	6,044	1,815	9,388	1,849	19,280	56,732	76,012
1964									
New Brunswick	6	-	1	-	7	-	19	9	28
Quebec	-	-	-	-	-	-	-	-	-
Ontario	214	1	76	22	290	23	766	746	1,512
Manitoba	71	-	24	9	95	9	350	182	532
Saskatchewan	462	3	393	94	855	97	2,714	3,420	6,134
Alberta	2,333	24	5,437	1,611	7,770	1,635	13,775	52,178	65,953
British Columbia	169	-	214	36	383	36	1,094	1,732	2,826
Yukon, Northwest Territories and Arctic Islands	19	-	23	-	42	-	166	155	321
Canada	3,274	28	6,168	1,772	9,442	1,800	18,884	58,422	77,306
1965									
New Brunswick	6	-	-	-	6	-	27	-	27
Quebec	-	-	5	3	5	3	-	58	58
Ontario	224	2	102	25	326	27	1,209	860	2,069
Manitoba	61	2	24	4	85	6	296	189	485
Saskatchewan	497	6	365	122	862	128	3,019	3,503	6,522
Alberta	2,273	10	5,791	1,856	8,064	1,866	13,937	58,336	72,273
British Columbia	147	-	194	34	341	34	961	1,805	2,766
Yukon, Northwest Territories, Arctic Islands, Offshore and Hudson Bay	34	-	29	1	63	1	240	247	487
Canada	3,242	20	6,510	2,045	9,752	2,065	19,689	64,998	84,687

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>CANADA</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	625	4	629	
Totals	625	4	629	10,932
<u>Professional, technical and administrative</u>				
Geophysicists	343	2	345	
Geologists	886	4	890	
Petroleum engineers	746	-	746	
Other engineers	118	-	118	
Other professional personnel	519	5	524	
Sub-totals	2,612	11	2,623	25,322
Specialists and technicians	1,440	302	1,742	
Clerical and secretarial	1,159	1,701	2,860	
Other administrative personnel	674	27	701	
Totals	5,885	2,041	7,926	54,066
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	3,242	20	3,262	19,689
Total employment, salaries and wages	9,752	2,065	11,817	84,687
Male			Female	
number				
<u>Month-end production employment statistics</u>				
January 31	3,120	19		
February 28	3,148	19		
March 31	3,166	19		
April 30	3,152	19		
May 31	3,244	20		
June 30	3,274	23		
July 31	3,357	24		
August 31	3,333	24		
September 30	3,278	18		
October 31	3,283	19		
November 30	3,267	19		
December 31	3,277	16		
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours				
At work	1,612	1,638	1,569	1,642
Not worked	71	107	260	151
Totals	1,683	1,745	1,829	1,793
				7,050

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>NEW BRUNSWICK</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	-	-	-	
Totals	-	-	-	-
<u>Professional, technical and administrative</u>				
Geophysicists	-	-	-	
Geologists	-	-	-	
Petroleum engineers	-	-	-	
Other engineers	-	-	-	
Other professional personnel	-	-	-	
Sub-totals	-	-	-	-
Specialists and technicians	-	-	-	
Clerical and secretarial	-	-	-	
Other administrative personnel	-	-	-	
Totals	-	-	-	-
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	6	-	6	27
Total employment, salaries and wages	6	-	6	27
Male			Female	
number				
January 31	6		-	
February 28	6		-	
March 31	7		-	
April 30	7		-	
May 31	7		-	
June 30	8		-	
July 31	7		-	
August 31	5		-	
September 30	5		-	
October 31	5		-	
November 30	5		-	
December 31	5		-	
<u>Month-end production employment statistics</u>				
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours				
At work	5	4	3	3
Not worked	1	--	--	--
Totals	6	4	3	3
15				
1				
16				

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>QUEBEC</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	1	-	1	
Totals	1	-	1	19
<u>Professional, technical and administrative</u>				
Geophysicists	-	-	-	
Geologists	1	-	1	
Petroleum engineers	-	-	-	
Other engineers	-	-	-	
Other professional personnel	-	-	-	
Sub-totals	1	-	1	9
Specialists and technicians	1	-	1	
Clerical and secretarial	1	3	4	
Other administrative personnel	1	-	1	
Totals	4	3	7	39
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	-	-	-	-
Total employment, salaries and wages	5	3	8	58
Male			Female	
number				
January 31	-	-		
February 28	-	-		
March 31	-	-		
April 30	-	-		
May 31	-	-		
June 30	-	-		
July 31	-	-		
August 31	-	-		
September 30	-	-		
October 31	-	-		
November 30	-	-		
December 31	-	-		
<u>Month-end production employment statistics</u>				
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours				
At work	-	-	-	-
Not worked	-	-	-	-
Totals	-	-	-	-

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>ONTARIO</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	26	1	27		
Totals	26	1	27	226	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	8	-	8		
Petroleum engineers	8	-	8		
Other engineers	4	-	4		
Other professional personnel	2	-	2		
Sub-totals	22	-	22	208	
Specialists and technicians	12	-	12		
Clerical and secretarial	12	24	36		
Other administrative personnel	30	-	30		
Totals	76	24	100	634	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	224	2	226	1,209	
Total employment, salaries and wages	326	27	353	2,069	
Male			Female		
number					
<u>Month-end production employment statistics</u>					
January 31	213			1	
February 28	213			1	
March 31	218			1	
April 30	219			1	
May 31	230			2	
June 30	229			2	
July 31	232			2	
August 31	228			2	
September 30	234			2	
October 31	227			2	
November 30	225			2	
December 31	218			2	
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31	
'000 hours					
At work	102	107	124	113	446
Not worked	7	8	11	8	34
Totals	109	115	135	121	480

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>MANITOBA</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	4	1	5		
Totals	4	1	5	43	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	-	-	-		
Petroleum engineers	4	-	4		
Other engineers	6	-	6		
Other professional personnel	1	-	1		
Sub-totals	11	-	11	88	
Specialists and technicians	2	-	2		
Clerical and secretarial	4	3	7		
Other administrative personnel	3	-	3		
Totals	20	3	23	146	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	61	2	63	296	
Total employment, salaries and wages	85	6	91	485	
Male			Female		
number					
January 31	69		3		
February 28	71		3		
March 31	69		3		
April 30	68		3		
May 31	71		3		
June 30	72		4		
July 31	62		6		
August 31	71		6		
September 30	42		-		
October 31	41		-		
November 30	41		-		
December 31	55		-		
<u>Month-end production employment statistics</u>					
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31	
'000 hours					
At work	36	36	29	19	120
Not worked	1	1	5	1	8
Totals	37	37	34	20	128
<u>Man-hour statistics - Quarterly and annual</u>					

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>SASKATCHEWAN</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	35	1	36	
Totals	35	1	36	374
<u>Professional, technical and administrative</u>				
Geophysicists	11	-	11	
Geologists	48	-	48	
Petroleum engineers	55	-	55	
Other engineers	9	-	9	
Other professional personnel	16	-	16	
Sub-totals	139	-	139	1,167
Specialists and technicians	88	18	106	
Clerical and secretarial	33	102	135	
Other administrative personnel	70	1	71	
Totals	330	121	451	3,129
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	497	6	503	3,019
Total employment, salaries and wages	862	128	990	6,522
Male			Female	
number				
January 31	438		5	
February 28	439		5	
March 31	437		6	
April 30	459		6	
May 31	490		6	
June 30	503		6	
July 31	549		6	
August 31	549		6	
September 30	532		6	
October 31	527		7	
November 30	528		7	
December 31	515		4	

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>ALBERTA</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	552	1	553	
Totals	552	1	553	10,193
<u>Professional, technical and administrative</u>				
Geophysicists	302	2	304	
Geologists	782	4	786	
Petroleum engineers	662	-	662	
Other engineers	93	-	93	
Other professional personnel	486	5	491	
Sub-totals	2,325	11	2,336	22,747
Specialists and technicians	1,273	260	1,533	
Clerical and secretarial	1,095	1,558	2,653	
Other administrative personnel	546	26	572	
Totals	5,239	1,855	7,094	48,143
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	2,273	10	2,283	13,937
Total employment, salaries and wages	8,064	1,866	9,930	72,273
Male			Female	
number				
<u>Month-end production employment statistics</u>				
January 31	2,240			10
February 28	2,255			10
March 31	2,267			9
April 30	2,224			9
May 31	2,234			9
June 30	2,255			11
July 31	2,308			10
August 31	2,290			10
September 30	2,280			10
October 31	2,306			10
November 30	2,295			10
December 31	2,321			10
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours				
At work	1,161	1,132	1,065	1,141
Not worked	51	80	195	116
Totals	1,212	1,212	1,260	1,257
4,941				

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Continued

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>BRITISH COLUMBIA</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	4	-	4		
Totals	4	-	4	37	
<u>Professional, technical and administrative</u>					
Geophysicists	30	-	30		
Geologists	36	-	36		
Petroleum engineers	17	-	17		
Other engineers	6	-	6		
Other professional personnel	14	-	14		
Sub-totals	103	-	103	1,033	
Specialists and technicians	55	24	79		
Clerical and secretarial	13	10	23		
Other administrative personnel	19	-	19		
Totals	190	34	224	1,768	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	147	-	147	961	
Total employment, salaries and wages	341	34	375	2,766	
Male			Female		
number					
January 31	119	-			
February 28	120	-			
March 31	128	-			
April 30	136	-			
May 31	177	-			
June 30	177	-			
July 31	177	-			
August 31	174	-			
September 30	163	-			
October 31	134	-			
November 30	130	-			
December 31	129	-			
<u>Month-end production employment statistics</u>					
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31	
'000 hours					
At work	61	87	73	68	289
Not worked	2	5	12	6	25
Totals	63	92	85	74	314
<u>Man-hour statistics - Quarterly and annual</u>					

TABLE 16. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1965 - Concluded

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>YUKON, NORTHWEST TERRITORIES, ARCTIC ISLANDS, OFFSHORE AND HUDSON BAY</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	3	-	3		
Totals	3	-	3	39	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	11	-	11		
Petroleum engineers	-	-	-		
Other engineers	-	-	-		
Other professional personnel	-	-	-		
Sub-totals	11	-	11	71	
Specialsits and technicians	9	-	9		
Clerical and secretarial	1	1	2		
Other administrative personnel	5	-	5		
Totals	26	1	27	208	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	34	-	34	240	
Total employment, salaries and wages	63	1	64	487	
Male			Female		
number					
January 31	35	-			
February 28	44	-			
March 31	40	-			
April 30	39	-			
May 31	35	-			
June 30	30	-			
July 31	22	-			
August 31	16	-			
September 30	22	-			
October 31	43	-			
November 30	43	-			
December 31	34	-			
<u>Month-end production employment statistics</u>					
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31	
'000 hours					
At work	28	24	12	30	94
Not worked	--	-	-	1	1
Totals	28	24	12	31	95

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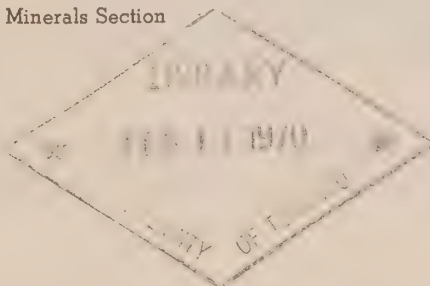
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THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY.

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SYMBOLS

The following standard symbols are used in
Dominion Bureau of Statistics publications:

.. figures not available.

... figures not appropriate or not applicable.

- nil or zero.

-- amount too small to be expressed.

P preliminary figures.

r revised figures.

THE CRUDE PETROLEUM AND NATURAL GAS INDUSTRY

1966

In order to implement fully the uniform concepts of the Standard Industrial Classification, the Dominion Bureau of Statistics in co-operation with the Canadian Petroleum Association, has undertaken a major revision of statistics affecting the exploration and production activities of the oil and gas companies operating in Canada. All companies in the industry supplied data covering their expenditures by function, payroll and employment. In addition, in 1965 nineteen major companies were surveyed in detail on all aspects of their operations. Detailed data were collected from these nineteen companies covering salaries and wages, materials and supplies, payment to contractors and total expenditures for both current and capital operations. The data in this report were compiled using this special survey along with current 1966 data from all companies in the Oil and Gas - Exploration, Development and Production Industry (S.I.C. 064). This industry includes Petroleum and Gas Wells (S.I.C. 063) and Natural Gas Processing Plants (S.I.C. 065), as defined in the Standard Industrial Classification Manual (Catalogue No. 12-501). It excludes the Oil Shale and Bituminous Sand Pits industry (S.I.C. 066), for which there was no production in 1966. The following are concepts and definitions which have been used in this report and which will be used in succeeding publications.

Producing activity is defined as that activity in which expenditures are made by the company for the direct operation of producing facilities. These include gas processing plants, gas gathering lines, operated by the producers and the crude oil and natural gas well, well head and flow line facilities. Gas and oil gathering lines operated by gas and oil pipe line industries are included in Industry (S.I.C. 515), and data on this industry are published annually in Gas Utilities (Catalogue No. 57-205) and Oil Pipe Line Transport (Catalogue No. 55-201).

Total activity includes the producing activity plus an extension of the data for other non-producing activities that the establishment might be engaged in. Generally speaking these are the geological and geophysical activities although some companies have other small miscellaneous activities such as real estate or other operations. By definition "total activity" relates to all operational activity but excludes such non-operational data items as rent, interest and dividends.

The basic reporting unit is the "establishment" which is defined as the smallest unit which is a separate operating entity and capable of reporting all of the basic industrial statistics:

- Materials and supplies used
- Goods purchased for resale - as such
- Fuel and power consumed
- Number of employees and their pay
- Inventories
- Shipments or sales

In the oil and gas industry the smallest reporting unit is the provincial operations of the company, including all its oil and gas wells, processing plants and exploration activities. For example, a large company operating in Alberta, Saskatchewan and Ontario would have three establishments. Companies may also have separate marketing or other establishments not coded to the Crude Petroleum and Natural Gas Industry but coded to trade, construction, etc. The employees are generally located in head offices or regional offices within a province, and the staff work out of these offices in various field locations which change as the industry discovers, evaluates and develops various oil and gas fields.

Companies included in the Crude Petroleum and Natural Gas Industry explore for and produce crude petroleum, natural gas, propane, butane, sulphur and helium, either directly from the fields or from gas processing plants. That is, the establishment boundary includes within it the facilities of the gas processing plants, the oil and gas fields, geological and geophysical exploration, and head office work for the above purposes as well as those carried on directly by these companies, and for such other ancillary services as are required to maintain such exploration or producing programmes. Although a company may be engaged in all phases of the industry, it may not necessarily be engaged in all phases in any one province. Refining and marketing activities of oil companies are not included in S.I.C. 064, but are coded to separate industries. It should be carefully noted that the companies engaged in geological and geophysical consulting, or as contractors, are not included in the S.I.C. 064 Crude Petroleum and Natural Gas Industry.

In our statistical publications, expenditures of the industry are segregated between those which are of a capital nature and those which are operational. The primary purpose of this report is to make available operational type data, while the basic statistics on capital expenditures are published by the Business Finance Division in Private and Public Investment in Canada, Catalogue No. 61-205. However, in order to present a complete picture in one report, statistics on capital formation are included here. Because of accounting practices in this industry, uniformity of definitions of capital and current expenditures are difficult to attain. As a result it has been necessary to define those items which are capital and those items which are current. In concert with the total cost accounting techniques and principles being developed in this industry, we have defined as capital, those expenditures for drilling (both exploratory and development), as well as the construction of oil and gas well facilities and other works of a permanent nature. In addition we treat land and land lease acquisition expenditures as capital in nature although they are not treated as "capital formation" for National Accounts purposes. Expenditures on geological and geophysical activity, field and well operations, natural gas plant operation, and other operating expenses such as land departments, taxes, royalties, etc., are, as may be expected, treated as current expenditures (see Tables 5 and 6).

Electricity

Data refers to amounts purchased and used, with costs being delivered costs at plant and/or field. Electricity produced by establishments for internal consumption is not included in electricity purchases.

Contractor and Service Payments

These expenditures consist of payments made to geological and geophysical contract companies or to other contractors a company may hire for road grading, carpentry, etc. In addition, all the service costs of a company such as automobile

leasing, telephone expenditures, postage expenditures, insurance, service costs at producing wells, consulting services, etc. are included.

Employment, Man-Hours, Salaries and Wages

Employees include salaried management, professional, technical and administrative personnel, plus production, field, plant and related workers, which comprise both the producing and non-producing activities.

Production and related workers are reported as those receiving pay during the last pay period in the respective month. The numbers are somewhat affected by turnover, in that employment may be overstated when an employee changes employment in the middle of a pay period.

Man-hours of production and related workers in producing activities represent total man-hours paid (total hours at work during the calendar year plus hours not worked but nevertheless paid for, such as paid vacations, sick leave, statutory holidays, etc.). In reporting overtime hours, respondents are requested to report only hours actually at work. It should be noted that the division of hours paid into production and related workers payrolls results in average hourly earnings and does not represent hourly wage rates which are collected and published by the Department of Labour.

Salaries and Wages (Tables 1, 9 and 10) refer to gross earnings of all employees before deductions for income tax and employees' contributions to social services such as sickness, accident and unemployment insurance, pensions, etc. They include all salaries, wages and bonuses, profits shared with employees, commissions (paid to regular employees only), as well as any other allowance forming part of the worker's earnings. Payments for overtime are included. They do not include the company share of benefit plans.

In addition to salaries and wages as provided in Tables 1, 9 and 10, data are provided which allocate salaries and wages by function, by province (Table 5). These salaries and wages include, in addition to the employee's portion of benefit plans, etc., the company's share of benefits paid, such as workmen's compensation, health plans, pension plans, etc., but exclude salaries and wages paid for capital works which are included in Table 10. The basis of allocation to province is different in the two series. Employees working in Calgary on a Saskatchewan project are charged to Saskatchewan operations; however, salaries and wages in Tables 1, 9 and 10 are those paid by the province of location of the employee (in this case Alberta).

Definitions

Production

Gross New Production - All new production excluding reproduction from field storage as measured at the first well head metering point.

Net New Production - "Gross New Production" after the deduction of flared field production. It is the production that is available for further processing, sale, storage, field uses, etc.

Production Net Withdrawals - "Net New Production" after deducting the gas or oil that is reinjected into the field pools.

Marketable Production - The production of gas, oil, propane, butane, etc., which is produced and available for market; i.e. the production of natural gas products produced by gas processing plants after processing plant uses and losses, the sales of natural gas from dry gas fields after field use, losses, reinjection, etc., or the production for sale of crude oil after field use and losses, reinjection, etc., but before inventory changes.

Shipments

The quantity and value of the marketable production that has actually been shipped. The differences between shipments and marketable production are inventory changes which may occur because a company may produce and accumulate or draw down inventories together with certain small field and other adjustments.

Materials and Supplies used in Producing Activities

Data provided in Table 5 represent quantities at laid down cost to the establishment, of materials, supplies, chemicals, explosives and components consumed during the year in producing activities. In the oil and gas industry it is not practical to estimate the amount of materials that are used as fuel, since this amount represents only a small part of the total energy requirements of the industry and company accounting records do not provide this breakdown. For this reason the amount of fuel purchased and used is shown as a component of materials and supplies. The statistics represent only commodity items or physical goods (costs of services or overhead charges such as advertising, insurance, depreciation, etc. are not included) whether purchased from others or received as transfers (in the form of materials, components or semi-processed goods) from other establishments of the reporting company. Respondents were requested to report materials and supplies used, not purchased. Included are repair and maintenance supplies not chargeable to fixed assets accounts. Also included is the cost of office supplies not chargeable to fixed assets accounts and the cost of such other items of materials and supplies used as food, beverages and supplies for establishment operated cafeterias and lunch counters, first aid medical supplies, laboratory supplies, etc.

Value Added

(a) By production activities:

Is defined as the value of marketable production less materials and supplies purchased, fuel and electricity consumed in the production of hydrocarbons, sulphur, etc.

(b) By total activity:

Consists of the value added by production activities given above plus the value added by other activities and capital formation. In practice this is represented by the establishment's salary and wage component of the capitalized value of these assets less the cost of materials and supplies used in geological and geophysical operation. In the event there is a small value of production and large geological and geophysical operations it is evident a negative value added would result.

Survey Results

In 1966 the value of marketable production of the Crude Petroleum and Natural Gas Industry amounted to \$1,092,535,000 an increase of 11.7% over 1965. Crude oil and field condensate amounted to \$788,682,000, an increase of 9.8%; natural gas \$164,642,000, an increase of 11.7%; natural gas processing plant products (that is pentanes plus, propane, butane and sulphur) \$139,211,000, up 23.9%, over 1965 values.

For reasons of confidentiality of individual company data it is not possible to provide the value of marketable production by commodity by province. Table 1, however, shows the total value of marketable production of all commodities at the provincial level. The value of shipments for each hydrocarbon commodity (i.e. with sulphur excluded) by province is shown in Table 3. In 1966, Alberta maintained its dominance in terms of the value of shipments of hydrocarbon products, with \$754,991,000 compared to the national figure of \$1,055,302,000.

The total number of employees in the industry in Canada increased from 11,817 in 1965 to 12,378, but the relative percentage employed in each occupational group remained much the same. In 1966 management accounted for 4.9% of the total work force; professional and technical categories 21.7%; specialists, clerical and administrative 46.1%; field, plant and related workers 27.3%. Alberta had 84.8% of the total employees, due in part to a large number of companies maintaining head offices in Alberta.

Operating expenditures rose from \$477,857,000 in 1965 to \$544,570,000 in 1966, while capital expenditures dropped from \$522,896,000 to \$503,280,000 during the same period. Field and well expenditures accounted for 25% of total operating expenditures, royalties 24.1%, geological and geophysical 17.6%, and natural gas plants 7.5%.

Total value added for the industry was \$1,059,395,000 in 1966, an increase of 11.2% over 1965.

TABLE 1. Principal Statistics for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), by Province, 1961-66

Basis: Revised Standard Industrial Classification and New Establishment Concept

Year and province	Estab-lish-ments	Producing activity							Total activity				
		Production and related workers			Cost of elec-tricity	Cost of materials, supplies and fuel	Value of marketable production	Value added	Working owners and partners		Employees		Value added
		Number	Man-hours paid	Wages					Number	With-drawals	Number	Salaries and wages	
	No.		'000			\$'000				\$'000			\$'000
<u>1961</u>													
Total	632	3,464	7,334	18,338	9,903	15,218	608,801	583,680	-	-	11,184	71,179	598,902
<u>1962</u>													
Total	621	3,490	7,396	19,542	11,237	18,180	707,837	678,420	-	-	11,232	75,325	690,075
<u>1963</u>													
Total	624	3,378	7,075	19,280	13,334	21,331	818,457	783,792	-	-	11,237	76,012	796,444
<u>1964</u>													
Total	640	3,302	7,236	18,884	13,531	22,171	903,573	867,871	-	-	11,242	77,306	880,828
<u>1965</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	2	6	16	27	-	9	105	96	-	-	6	27	98
Quebec	3	-	-	-	-	-	-	-	-	-	8	58	(18)
Ontario	107	226	480	1,209	120	385	9,855	9,350	-	-	353	2,069	9,748
Manitoba	60	63	128	296	266	183	11,530	11,081	-	-	91	485	11,158
Saskatchewan	139	503	1,076	3,019	4,754	3,951	207,627	198,922	-	-	990	6,522	200,144
Alberta	233	2,283	4,941	13,937	8,940	18,308	701,510	674,262	-	-	9,930	72,273	685,709
British Columbia	75	147	314	961	-	793	46,875	46,082	-	-	375	2,766	46,529
Yukon, Northwest Territories and Arctic Islands, Off Shore and Hudson Bay	56	34	95	240	-	95	633	538	-	-	64	487	(959)
Total	675	3,262	7,050	19,689	14,080	23,724	978,135	940,331	-	-	11,817	84,687	952,409
<u>1966</u>													
Newfoundland	-	-	-	-	-	-	-	-	-	-	-	-	-
Prince Edward Island	-	-	-	-	-	-	-	-	-	-	-	-	-
Nova Scotia	-	-	-	-	-	-	-	-	-	-	-	-	-
New Brunswick	3	5	10	19	-	3	97	94	-	-	5	19	78
Quebec	4	-	-	-	-	-	-	-	-	-	7	40	(38)
Ontario	95	159	330	894	121	283	10,170	9,766	-	-	273	1,845	10,057
Manitoba	52	47	96	311	282	192	13,057	12,583	-	-	65	439	12,631
Saskatchewan	132	561	1,164	3,430	5,149	5,389	219,619	209,081	-	-	1,043	7,716	210,155
Alberta	224	2,359	4,910	15,469	7,400	21,856	790,332	761,076	-	-	10,493	82,188	769,164
British Columbia	78	227	478	1,672	-	1,312	58,378	57,066	-	-	454	3,427	57,787
Yukon, Northwest Territories and Arctic Islands	44	8	15	50	-	124	882	758	-	-	24	208	85
Off Shore and Hudson Bay	16	9	23	69	-	-	-	-	-	-	14	115	(524)
Total	648	3,375	7,026	21,914	12,952	29,159	1,092,535	1,050,424	-	-	12,378	95,997	1,059,395

TABLE 2. Marketable Production and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1962-66

Products	1962		1963		1964		1965		1966	
	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000
Crude oil	243,238,299	546,239	257,120,148	622,574	274,478,567	673,965	291,511,591	716,899	319,568,079	786,706
Condensate and pentanes plus	bbl.									
Condensate and pentanes plus	bbl.									
Natural gas	775,886,909	98,096	846,898,532	116,721	944,280,103	134,551(1)	1,028,866,006	147,388(1)	1,106,641,641	164,642(1)
Propane	3,543,113	5,231	4,083,974	5,765	5,761,359	7,269	9,897,945	12,532	12,355,015	17,446
Butane	2,357,553	3,134	2,973,529	4,040	5,295,774	7,235	6,376,637	8,379	7,976,268	10,720
Sulphur	1,029,421	15,439	1,270,493	14,957	1,460,423	16,426	1,572,691	21,853	1,706,019	37,189
Total value		707,837		818,457		903,573		978,135		1,092,535

(1) Includes value of helium.

TABLE 3. Value of Shipments of Hydrocarbon Products for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966

Products	Canada		New Brunswick		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia		Northwest Territories	
	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000
Crude oil	319,682,671	787,032	6,853	10	1,323,781	4,230	5,240,319	13,081	93,226,950	211,817	202,525,736	520,798	16,637,973	36,267	721,059	829
Condensate and pentanes plus	bbl.															
Condensate and pentanes plus	bbl.															
Natural gas	1,106,641,641	164,258	95,048	88	15,537,395	5,940	-	-	248,067	563	28,055,121	72,974	1,019,161	2,221	-	-
Propane	12,321,463	17,398	-	-	-	-	-	-	39,210,962	5,027	891,304,971	135,843	160,447,027	17,340	46,238	20
Butane	8,079,872	10,856	-	-	-	-	-	-	741,087	1,242	11,273,827	15,709	306,549	447	-	-
Total value		1,055,302		98		10,170		13,081		219,208	7,368,890	9,667	368,058	630	-	-

TABLE 4. Net Production Withdrawals and Values for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966

Products	Canada		New Brunswick		Ontario		Manitoba		Saskatchewan		Alberta		British Columbia		Northwest Territories	
	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000	Quantity	Value \$'000
Crude oil, condensate and pentanes plus	349,140,276	863,099	6,853	10	1,323,781	4,230	5,230,712	13,057	93,469,175	212,367	230,699,611	594,077	17,660,490	38,496	749,654	862
Natural gas	1,341,831,241	178,184	97,403	90	15,537,395	5,940	-	-	49,867,762	6,122	1,090,691,124	146,609	185,591,319	19,403	46,238	20
Total value		1,041,283		100		10,170		13,057		218,489		740,686		57,899		882

TABLE 5. Operating Expenditures for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966

	Canada	Maritime	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon, Northwest Territories and Arctic Islands	Off Shore and Hudson Bay
	\$'000									
<u>Geological and geophysical operations</u>										
Salaries and wages	32,625	-	37	302	157	2,002	25,971	3,132	724	300
Materials and supplies	6,503	25	39	17	41	466	4,363	280	748	524
Contractor and service payments	56,600	164	318	146	219	3,908	37,832	3,594	6,157	4,262
Totals	95,728	189	394	465	417	6,376	68,166	7,006	7,629	5,086
<u>Field and well operations</u>										
Salaries and wages	30,480	4	-	1,114	736	8,729	18,432	1,449	16	-
Materials and supplies	19,049	3	-	271	192	4,996	12,559	904	124	-
Contractor and service payments	86,064	15	-	1,128	1,578	28,131	50,577	4,499	136	-
Totals	135,593	22	-	2,513	2,506	41,856	81,568	6,852	276	-
<u>Natural gas processing plants</u>										
Salaries and wages	12,052	-	-	52	-	438	10,762	800	-	-
Materials and supplies	10,110	-	-	12	-	393	9,297	408	-	-
Contractor and service payments	18,499	-	-	20	-	692	16,142	1,645	-	-
Totals	40,661	-	-	84	-	1,523	36,201	2,853	-	-
<u>Other including land and lease acquisition and retention</u>										
Salaries and wages	6,770	5	-	66	59	616	4,322	1,213	290	199
Materials and supplies	537	-	-	3	7	26	359	118	24	-
Contractor and service payments	25,019	6	-	86	155	2,602	21,952	101	148	(31)
Retention(1)	96,499	31	52	784	1,613	10,660	70,104	10,209	2,907	139
Royalties	131,352	5	-	537	1,702	29,419	91,709	7,770	210	-
Taxes (excluding income tax)	12,411	2	-	253	259	3,009	8,572	315	1	-
Totals	272,588	49	52	1,729	3,795	46,332	197,018	19,726	3,580	307
<u>Grand totals</u>										
Salaries and wages	81,927	9	37	1,534	952	11,785	59,487	6,594	1,030	499
Materials and supplies	36,199	28	39	303	240	5,881	26,578	1,710	896	524
Contractor and service payments	173,230	185	318	1,259	1,670	30,184	119,103	9,839	6,441	4,231
Electricity	12,952	-	-	121	282	5,149	7,400	-	-	-
Retention(1)	96,499	31	52	784	1,613	10,660	70,104	10,209	2,907	139
Royalties	131,352	5	-	537	1,702	29,419	91,709	7,770	210	-
Taxes (excluding income tax)	12,411	2	-	253	259	3,009	8,572	315	1	-
Totals	544,570	260	446	4,791	6,718	96,087	382,953	36,437	11,485	5,393

(1) Includes: Bonuses paid for acquisition of freeholders' mineral rights and some work commitments required to retain rights to crown lands, together with legal fees, land department costs, and rentals.

TABLE 6. Capital Expenditures for the Crude Petroleum and Natural Gas Industry(1) (S.I.C. 064), 1966

	Canada	Maritime	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon, Northwest Territories and Arctic Islands	Off Shore and Hudson Bay
	\$'000									
<u>Exploratory drilling</u>										
Dry	79,850	-	14	1,085	477	7,823	47,092	12,484	5,930	4,945
Productive - Oil	21,438	-	-	49	-	1,755	16,848	1,187	1,599	-
Gas/condensate	15,751	-	-	97	-	160	12,101	3,329	64	-
Totals	117,039	-	14	1,231	477	9,738	76,041	17,000	7,593	4,945
<u>Development drilling</u>										
Dry	19,241	-	-	326	92	3,939	13,293	1,591	-	-
Productive - Oil	82,165	167	-	251	435	19,275	57,061	4,976	-	-
Gas/condensate	22,283	-	-	785	-	657	18,020	2,821	-	-
Totals	123,689	167	-	1,362	527	23,871	88,374	9,388	-	-
<u>Total drilling</u>										
Salaries and wages	13,419	9	1	290	75	1,365	10,613	968	98	-
Materials and supplies	42,397	42	1	396	213	6,539	28,968	4,171	885	1,182
Contractor and service payments	184,912	116	12	1,907	716	25,705	124,834	21,249	6,610	3,763
Totals	240,728	167	14	2,593	1,004	33,609	164,415	26,388	7,593	4,945
Oil field facilities	39,858	-	-	172	275	11,737	24,418	3,256	-	-
Gas field facilities	14,330	-	-	258	-	1,198	11,076	1,678	120	-
Secondary recovery facilities	17,460	-	-	9	407	5,523	10,020	1,501	-	-
Natural gas processing plants	48,205	-	-	64	-	1,396	44,294	2,451	-	-
Other buildings and machinery	12,954	4	-	96	285	2,756	9,064	565	7	177
Total capital formation	373,535	171	14	3,192	1,971	56,219	263,287	35,839	7,720	5,122
Land sites	1,477	-	-	-	-	118	1,239	120	-	-
Land acquisition(2)	128,268	-	-	-	105	7,124	99,901	15,839	5,299	-
Totals	503,280	171	14	3,192	2,076	63,461	364,427	51,798	13,019	5,122

(1) Does not include construction in Oil shale and bituminous sand pit processing plants.

(2) Includes cash bonuses paid for Crown permits, reservations and leases.

TABLE 8. Supply and Disposition of Crude Oil and Equivalent, by Source, 1966

	New Brunswick	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Northwest Territories	Total Canadian sources	Total Foreign sources	Total all sources
barrels of 35 Canadian gallons										
<u>Supply</u>										
Domestic production										
Crude oil	6,853	1,323,781	5,230,712	93,218,119	211,573,305	16,641,136	749,654	328,743,560	-	328,743,560
Less returned to formation	-	-	-	-	8,968,606	-	-	8,968,606	-	8,968,606
Condensate	-	-	-	-	734,734	39,571	-	774,305	-	774,305
Pentanes plus	-	-	-	251,056	27,360,178	979,783	-	28,591,017	-	28,591,017
Net withdrawals	6,853	1,323,781	5,230,712	93,469,175	230,699,611	17,660,490	749,654	349,140,276	-	349,140,276
Imports .....	...	...	...	...	...	...	...	...	158,544,090	158,544,090
Total supply	6,853	1,323,781	5,230,712	93,469,175	230,699,611	17,660,490	749,654	349,140,276	158,544,090	507,684,366
<u>Disposition</u>										
Deliveries to refineries										
Atlantic Provinces	6,853	-	-	-	-	-	-	6,853	40,184,255	40,191,108
Quebec	-	-	-	-	-	-	-	-	117,833,058	117,833,058
Ontario	-	1,323,721	3,502,723	56,006,117	52,839,502	-	-	113,672,063	529,510	114,201,573
Manitoba	-	-	156,368	8,176,385	6,271,050	-	-	14,603,803	-	14,603,803
Saskatchewan	-	-	3,907,737	18,744,468	18,744,468	-	-	22,652,205	-	22,652,205
Alberta	-	-	-	773,936	33,303,350	-	-	34,077,286	-	34,077,286
British Columbia	-	-	-	-	19,915,161	14,558,535	-	34,473,696	-	34,473,696
Northwest Territories	-	-	-	-	-	-	710,717	710,717	-	710,717
Totals	6,853	1,323,721	3,659,091	68,864,175	131,073,531	14,558,535	710,717	220,196,623	158,546,823	378,743,446
Exports to U.S.A.										
Northwest Area:										
West of Rocky Mountains	-	-	-	-	55,415,296	3,622,235	-	59,037,531	-	59,037,531
East of Rocky Mountains	-	-	-	-	5,073,058	-	-	5,073,058	-	5,073,058
Great Lakes Area	-	-	1,577,629	25,153,853	35,957,362	-	-	62,688,844	-	62,688,844
Totals	-	-	1,577,629	25,153,853	96,445,716	3,622,235	-	126,799,433	-	126,799,433
Deliveries to other purchasers ..	-	-	-	218	316,170	23,426	-	339,814	-	339,814
<u>Inventories</u>										
Opening - Field and plant	-	-	79,632	433,354	1,230,772	81,189	52,441	1,877,388	-	1,877,388
Transporters'	-	-	13,856	5,034,991	16,123,646	1,551,825	-	22,724,318	388,856	23,113,174
Closing - Field and plant	-	-	70,025	400,978	1,153,933	84,545	81,036	1,790,517	-	1,790,517
Transporters'	-	-	16,678	4,792,163	17,419,065	1,111,809	-	23,339,715	360,314	23,700,029
Net change	-	-	- 6,785	- 275,204	1,218,580	- 436,660	28,595	528,526	- 28,542	499,984
Pipeline fuel	-	-	- 1,379	-	374,571	-	-	373,192	-	373,192
Field and plant use	-	-	-	25,324	195,593	-	-	220,917	-	220,917
Losses and adjustments	-	60	2,156	- 299,191	1,075,450	- 107,046	10,342	681,771	25,809	707,580
Total disposition	6,853	1,323,781	5,230,712	93,469,175	230,699,611	17,660,490	749,654	349,140,276	158,544,090	507,684,366

... Figures not appropriate or not applicable.

TABLE 9. Employees, Salaries and Wages for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1961-66

Note: Basis: Revised standard industrial classification and new establishment concept

	Employees						Salaries and wages		
	Production and related workers		Management, professional, technical and administrative		Total		Production and related workers	Management, professional, technical and administrative	Total
	Male	Female	Male	Female	Male	Female	Manufacturing		
	number						\$'000		
<u>1961</u>									
Total	3,450	14	5,937	1,783	9,387	1,797	18,338	52,841	71,179
<u>1962</u>									
Total	3,463	27	5,965	1,777	9,428	1,804	19,542	55,783	75,325
<u>1963</u>									
Total	3,344	34	6,044	1,815	9,388	1,849	19,280	56,732	76,012
<u>1964</u>									
Total	3,274	28	6,168	1,772	9,442	1,800	18,884	58,422	77,306
<u>1965</u>									
New Brunswick	6	-	-	-	6	-	27	-	27
Quebec	-	-	5	3	5	3	-	58	58
Ontario	224	2	102	25	326	27	1,209	860	2,069
Manitoba	61	2	24	4	85	6	296	189	485
Saskatchewan	497	6	365	122	862	128	3,019	3,503	6,522
Alberta	2,273	10	5,791	1,856	8,064	1,866	13,937	58,336	72,273
British Columbia	147	-	194	34	341	34	961	1,805	2,766
Yukon, Northwest Territories, Arctic Islands, Off Shore and Hudson Bay	34	-	29	1	63	1	240	247	487
Total	3,242	20	6,510	2,045	9,752	2,065	19,689	64,998	84,687
<u>1966</u>									
New Brunswick	5	-	-	-	5	-	19	-	19
Quebec	-	-	4	3	4	3	-	40	40
Ontario	158	1	94	20	252	21	894	951	1,845
Manitoba	47	-	16	2	63	2	311	128	439
Saskatchewan	560	1	377	105	937	106	3,430	4,286	7,716
Alberta	2,336	23	6,138	1,996	8,474	2,019	15,469	66,719	82,188
British Columbia	227	-	191	36	418	36	1,672	1,755	3,427
Yukon, Northwest Territories and Arctic Islands	8	-	14	2	22	2	50	158	208
Off Shore and Hudson Bay	9	-	5	-	14	-	69	46	115
Total	3,350	25	6,839	2,164	10,189	2,189	21,914	74,083	95,997

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>CANADA</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	605	6	611		
Totals	605	6	611	11,349	
<u>Professional, technical and administrative</u>					
Geophysicists	351	2	353		
Geologists	896	4	900		
Petroleum engineers	791	-	791		
Other engineers	144	-	144		
Other professional personnel	492	5	497		
Sub-totals	2,674	11	2,685	25,540	
Specialists and technicians	1,235	86	1,321		
Clerical and secretarial	1,564	2,045	3,609		
Other administrative personnel	761	16	777		
Totals	6,234	2,158	8,392	62,734	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	3,350	25	3,375	21,914	
Total employment, salaries and wages	10,189	2,189	12,378	95,997	
	Male		Female		
	number				
<u>Month-end production employment statistics</u>					
January 31	3,284		25		
February 28	3,293		23		
March 31	3,257		23		
April 30	3,280		23		
May 31	3,372		25		
June 30	3,443		25		
July 31	3,462		25		
August 31	3,441		25		
September 30	3,338		25		
October 31	3,313		24		
November 30	3,345		26		
December 31	3,364		25		
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
	'000 hours				
<u>Man-hour statistics - Quarterly and annual</u>					
At work	1,604	1,609	1,574	1,646	6,433
Not worked	72	110	257	154	593
Totals	1,676	1,719	1,831	1,800	7,026

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>NEW BRUNSWICK</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	-	-	-	
Totals	-	-	-	-
<u>Professional, technical and administrative</u>				
Geophysicists	-	-	-	
Geologists	-	-	-	
Petroleum engineers	-	-	-	
Other engineers	-	-	-	
Other professional personnel	-	-	-	
Sub-totals	-	-	-	-
Specialists and technicians	-	-	-	
Clerical and secretarial	-	-	-	
Other administrative personnel	-	-	-	
Totals	-	-	-	-
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	5	-	5	19
Total employment, salaries and wages	5	-	5	19
	Male		Female	
	number			
January 31	5		-	
February 28	5		-	
March 31	5		-	
April 30	5		-	
May 31	5		-	
June 30	5		-	
July 31	5		-	
August 31	5		-	
September 30	5		-	
October 31	5		-	
November 30	5		-	
December 31	5		-	
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31
	'000 hours			
At work	2	3	3	2
Not worked	--	--	--	--
Totals	2	3	3	2
	10			

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>QUEBEC</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	-	-	-	
Totals	-	-	-	-
<u>Professional, technical and administrative</u>				
Geophysicists	-	-	-	
Geologists	-	-	-	
Petroleum engineers	-	-	-	
Other engineers	-	-	-	
Other professional personnel	1	-	1	
Sub-totals	1	-	1	6
Specialists and technicians	-	-	-	
Clerical and secretarial	2	3	5	
Other administrative personnel	1	-	1	
Totals	4	3	7	40
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	-	-	-	-
Total employment, salaries and wages	4	3	7	40
Male			Female	
number				
January 31	-			-
February 28	-			-
March 31	-			-
April 30	-			-
May 31	-			-
June 30	-			-
July 31	-			-
August 31	-			-
September 30	-			-
October 31	-			-
November 30	-			-
December 31	-			-
<u>Month-end production employment statistics</u>				
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours				
At work	-	-	-	-
Not worked	-	-	-	-
Totals	-	-	-	-
<u>Man-hour statistics - Quarterly and annual</u>				

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>ONTARIO</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	16	-	16		
Totals	16	-	16	213	
<u>Professional, technical and administrative</u>					
Geophysicists	1	-	1		
Geologists	8	-	8		
Petroleum engineers	6	-	6		
Other engineers	3	-	3		
Other professional personnel	3	-	3		
Sub-totals	21	-	21	226	
Specialists and technicians	24	-	24		
Clerical and secretarial	5	20	25		
Other administrative personnel	28	-	28		
Totals	78	20	98	738	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	158	1	159	894	
Total employment, salaries and wages	252	21	273	1,845	
Male			Female		
number					
January 31	155	1			
February 28	154	1			
March 31	152	1			
April 30	161	1			
May 31	163	1			
June 30	165	1			
July 31	165	1			
August 31	162	1			
September 30	157	1			
October 31	156	1			
November 30	156	1			
December 31	155	1			
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31	
'000 hours					
At work	73	78	76	77	304
Not worked	6	6	8	6	26
Totals	79	84	84	83	330

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000					
	Male	Female	Total						
<u>MANITOBA</u>									
<u>Management</u>									
Working owners and partners	-	-	-						
Management	1	-	1						
Totals	1	-	1	19					
<u>Professional, technical and administrative</u>									
Geophysicists	-	-	-						
Geologists	-	-	-						
Petroleum engineers	3	-	3						
Other engineers	-	-	-						
Other professional personnel	2	-	2						
Sub-totals	5	-	5	40					
Specialists and technicians	4	-	4						
Clerical and secretarial	5	2	7						
Other administrative personnel	1	-	1						
Totals	15	2	17	109					
<u>Production, field, plant and related operations</u>									
Field, plant and related employees	47	-	47	311					
Total employment, salaries and wages	63	2	65	439					
Male			Female						
number									
<u>Month-end production employment statistics</u>									
January 31	48	-							
February 28	48	-							
March 31	46	-							
April 30	48	-							
May 31	47	-							
June 30	47	-							
July 31	46	-							
August 31	46	-							
September 30	47	-							
October 31	47	-							
November 30	45	-							
December 31	45	-							
<table><tr><td>Jan. 1 - Mar. 31</td><td>Apr. 1 - June 30</td><td>July 1 - Sept. 30</td><td>Oct. 1 - Dec. 31</td><td>Jan. 1 - Dec. 31</td></tr></table>					Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31					
'000 hours									
At work	23	23	20	23	89				
Not worked	1	1	3	2	7				
Totals	24	24	23	25	96				
<u>Man-hour statistics - Quarterly and annual</u>									

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

		Number of employees			Salaries and wages \$'000
		Male	Female	Total	
<u>SASKATCHEWAN</u>					
<u>Management</u>					
Working owners and partners		-	-	-	
Management		53	2	55	
Totals		53	2	55	804
<u>Professional, technical and administrative</u>					
Geophysicists		8	-	8	
Geologists		43	-	43	
Petroleum engineers		63	-	63	
Other engineers		11	-	11	
Other professional personnel		11	-	11	
Sub-totals		136	-	136	1,525
Specialists and technicians		40	1	41	
Clerical and secretarial		86	101	187	
Other administrative personnel		62	1	63	
Totals		324	103	427	3,482
<u>Production, field, plant and related operations</u>					
Field, plant and related employees		560	1	561	3,430
Total employment, salaries and wages		937	106	1,043	7,716
		Male		Female	
		number			
<u>Month-end production employment statistics</u>					
January 31		504		1	
February 28		514		1	
March 31		519		1	
April 30		537		1	
May 31		569		1	
June 30		587		1	
July 31		606		1	
August 31		593		1	
September 30		573		1	
October 31		569		1	
November 30		583		1	
December 31		567		1	
		Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31
		Jan. 1 - Dec. 31			
<u>Man-hour statistics - Quarterly and annual</u>		'000 hours			
At work		248	260	283	278
Not worked		11	15	40	29
Totals		259	275	323	307
		1,164			

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>ALBERTA</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	527	4	531	
Totals	527	4	531	10,201
<u>Professional, technical and administrative</u>				
Geophysicists	322	2	324	
Geologists	821	4	825	
Petroleum engineers	692	-	692	
Other engineers	126	-	126	
Other professional personnel	475	5	480	
Sub-totals	2,436	11	2,447	22,937
Specialists and technicians	1,147	85	1,232	
Clerical and secretarial	1,407	1,882	3,289	
Other administrative personnel	621	14	635	
Totals	5,611	1,992	7,603	56,518
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	2,336	23	2,359	15,469
Total employment, salaries and wages	8,474	2,019	10,493	82,188
Male			Female	
number				
Month-end production employment statistics				
January 31	2,337	23		
February 28	2,332	21		
March 31	2,301	21		
April 30	2,308	21		
May 31	2,352	23		
June 30	2,383	23		
July 31	2,376	23		
August 31	2,373	23		
September 30	2,310	23		
October 31	2,296	22		
November 30	2,320	24		
December 31	2,347	23		
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours				
<u>Man-hour statistics - Quarterly and annual</u>				
At work	1,135	1,122	1,082	1,145
Not worked	50	80	190	106
Totals	1,185	1,202	1,272	1,251
				4,484
				426
				4,910

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>BRITISH COLUMBIA</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	7	-	7	
Totals	7	-	7	89
<u>Professional, technical and administrative</u>				
Geophysicists	19	-	19	
Geologists	21	-	21	
Petroleum engineers	17	-	17	
Other engineers	4	-	4	
Other professional personnel	-	-	-	
Sub-totals	61	-	61	651
Specialists and technicians	17	-	17	
Clerical and secretarial	59	35	94	
Other administrative personnel	47	1	48	
Totals	184	36	220	1,666
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	227	-	227	1,672
Total employment, salaries and wages	418	36	454	3,427
	Male		Female	
	number			
<u>Month-end production employment statistics</u>				
January 31	213	-		
February 28	217	-		
March 31	211	-		
April 30	205	-		
May 31	223	-		
June 30	239	-		
July 31	247	-		
August 31	248	-		
September 30	232	-		
October 31	226	-		
November 30	227	-		
December 31	233	-		
	Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31
	'000 hours			
<u>Man-hour statistics - Quarterly and annual</u>				
At work	111	111	101	116
Not worked	4	8	16	11
Totals	115	119	117	127
	439			
	39			
	478			

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Continued

	Number of employees			Salaries and wages \$'000
	Male	Female	Total	
<u>YUKON, NORTHWEST TERRITORIES</u>				
<u>Management</u>				
Working owners and partners	-	-	-	
Management	1	-	1	
Totals	1	-	1	23
<u>Professional, technical and administrative</u>				
Geophysicists	1	-	1	
Geologists	1	-	1	
Petroleum engineers	7	-	7	
Other engineers	-	-	-	
Other professional personnel	-	-	-	
Sub-totals	9	-	9	109
Specialists and technicians	3	-	3	
Clerical and secretarial	-	2	2	
Other administrative personnel	1	-	1	
Totals	13	2	15	135
<u>Production, field, plant and related operations</u>				
Field, plant and related employees	8	-	8	50
Total employment, salaries and wages	22	2	24	208
Male			Female	
number				
Month-end production employment statistics				
January 31	6	-		
February 28	7	-		
March 31	7	-		
April 30	7	-		
May 31	7	-		
June 30	7	-		
July 31	7	-		
August 31	8	-		
September 30	8	-		
October 31	9	-		
November 30	9	-		
December 31	9	-		
Jan. 1 - Mar. 31	Apr. 1 - June 30	July 1 - Sept. 30	Oct. 1 - Dec. 31	Jan. 1 - Dec. 31
'000 hours				
At work	3	4	4	4
Not worked	-	--	-	--
Totals	3	4	4	4
15				

TABLE 10. Payroll, Employment and Man-hours for the Crude Petroleum and Natural Gas Industry (S.I.C. 064), 1966 - Concluded

	Number of employees			Salaries and wages \$'000	
	Male	Female	Total		
<u>OFF SHORE AND HUDSON BAY</u>					
<u>Management</u>					
Working owners and partners	-	-	-		
Management	-	-	-		
Totals	-	-	-	-	
<u>Professional, technical and administrative</u>					
Geophysicists	-	-	-		
Geologists	2	-	2		
Petroleum engineers	3	-	3		
Other engineers	-	-	-		
Other professional personal	-	-	-		
Sub-totals	5	-	5	46	
Specialists and technicians	-	-	-		
Clerical and secretarial	-	-	-		
Other administrative personnel	-	-	-		
Totals	5	-	5	46	
<u>Production, field, plant and related operations</u>					
Field, plant and related employees	9	-	9	69	
Total employment, salaries and wages	14	-	14	115	
Male			Female		
number					
<u>Month-end production employment statistics</u>					
January 31	16	-			
February 28	16	-			
March 31	16	-			
April 30	9	-			
May 31	11	-			
June 30	10	-			
July 31	10	-			
August 31	6	-			
September 30	6	-			
October 31	5	-			
November 30	-	-			
December 31	3	-			
<u>Man-hour statistics - Quarterly and annual</u>					
'000 hours					
At work	9	8	5	1	23
Not worked	--	--	-	-	--
Totals	9	8	5	1	23

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